

PA (RIBO-) RIBOZYME PHARM INC.
 XX Beigelman I, Stinchcomb DT, Jarvis T, Draper K, Pavco P;
 PI Mcswiggen J, Gustofson J, Usman N, Wincott F, Matulic-Adamic J;
 PI Karpeisky A, Thompson JD, Modak A, Burgin A;
 XX WPI; 1996-300653/30.
 DR Enzymatic nucleic acid molecules having a hammer-head motif - used for
 PT the treatment of arthritis, induction of graft tolerance or treatment of
 PT auto-immune diseases.
 XX Claim 10; Page 204; 307pp; English.
 XX The present invention describes a novel enzymatic nucleic acid (ENA)
 CC having a hammerhead motif (HM) comprising: (i) at least 5 ribose residues
 CC ; (ii) a 2'-C-allyl modification at position 4 of the ENA; (iii) at least
 CC ten 2'-O-methyl modifications; and (iv) a 3'-end modification. The ENA's
 CC can inhibit collagenase and stromelysin production in the synovial
 CC membrane of joints for the treatment or prevention of arthritis,
 CC particularly osteoarthritis or rheumatoid arthritis. The ENA's can also
 CC be used to treat antigen presenting cells of a donor to induce tolerance
 CC in a recipient to an alloantigen of a donor. They can also be used for
 CC enhancing graft tolerance or for treating autoimmune disease, and for
 CC treating allergies and other inflammatory conditions. The ENA's can also
 CC be used in diagnosis. Ribozyme therapy impacts on the expression of
 CC stromelysin without introducing the non-specific effects upon gene
 CC expression which accompany treatment with retinoids and dexamethasone.
 CC The concentration of ribozyme required to affect a therapeutic treatment
 CC is lower than that required of antisense molecules, and is highly
 CC specific. The present sequence is used in the exemplification of the
 CC present invention
 XX
 SQ Sequence 15 BP; 1 A; 7 C; 3 G; 0 T; 4 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 57.1%; Pred. No. 5.4e+02;
 Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1678 CCTGGTGTCTCCTC 1691
 |||.:.: |||:
 Db 2 CCUGGUCUACCCUC 15

RESULT 898
 AAX24191

ID AAX24191 standard; DNA; 15 BP.

AC AAX24191;

XX 01-JUL-1999 (first entry)

XX Phosphonomonoester oligonucleotide analogue 8.

XX Phosphonomonoester analogue; inhibitor; antisense; cancer; restenosis;
 KW ribozyme; diagnostic agent; detection; treatment; disease; virus;
 KW integrin; cell-cell adhesion receptor; TNF-alpha; ss.

XX Synthetic.

OS DE19508923-Al.

PN 19-SEP-1996.

XX 13-MAR-1995; 95DE-01008923.

PR 13-MAR-1995; 95DE-01008923.

XX (FARH) HOECHST AG.

PI Anuschirwan P, Uhlmann E, Breipohl G, Wallmeier H;

DR WPI; 1996-425893/43.

XX New oligo:nucleotide analogues contg. phospho:mono:ester bridges - for
 PT therapeutic inhibition of gene expression, e.g. in cancer or viral
 PT infection, with good specificity and in vivo stability.
 XX Disclosure; Page 22; 36pp; German.
 XX This invention describes novel phosphonomonoester oligonucleotide
 CC analogues which act as inhibitors of gene expression (as sense/antisense,
 CC ribozyme or triplex-forming molecules), useful as diagnostic agents (i.e.
 CC probes for detecting nucleic acid) or for treatment of diseases caused by
 CC viruses, influenced by integrins or cell-cell adhesion receptors, induced
 CC by factors such as TNF-alpha, or cancer or restenosis. The products of
 CC the invention satisfy the requirements of good in-vivo stability; ability
 CC to cross cellular and nuclear membranes, and specific binding to target
 CC nucleic acid better than known oligonucleotides
 XX
 SQ Sequence 15 BP; 4 A; 7 C; 3 G; 1 T; 0 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1668 CAGCTGGAACCCCTG 1691
 ||||| |||||
 Db 1 CAGCTGCAACCCAG 14
 RESULT 899
 AAT50231/c
 ID AAT50231 standard; RNA; 15 BP.
 XX AC AAT50231;
 XX 07-MAR-1997 (first entry)
 DT Rabbit CPTP HH ribozyme target sequence #513.
 XX Hammerhead ribozyme; cholesterol ester transfer protein; mRNA cleavage;
 KW neutral lipid transfer; plasma lipoprotein; atherosclerosis; atherectomy;
 KW reverse cholesterol transport; high density lipoprotein; therapy; CETP;
 KW familial hypercholesterolaemia; dyslipidaemia; hypoalphalipoproteinaemia;
 KW peripheral vascular disease; hyperbetalipoproteinaemia; RCT; inhibitor;
 KW angioplastic restenosis; low density lipoprotein; diabetes; HDL; rabbit;
 KW LDL; ss.
 XX Oryctolagus cuniculus.
 OS WO9620279-Al.
 PN 04-JUL-1996.
 XX 11-DEC-1995; 95WO-US016000.
 PF 23-DEC-1994; 94US-00363240.
 PR (RIBO-) RIBOZYME PHARM INC.
 XX (WARN) WARNER LAMBERT CO.
 XX Couture L, Stinchcomb D, Mcswiggen J, Bisgaier C, Page M;
 PI WPI; 1996-321852/32.
 DR New ribozyme(s) for cleaving cholesterol ester transfer protein mRNA -
 PT useful for preventing or treating initial development, progression or
 PT regression of vascular diseases, esp. familial hypercholesterolaemia.
 XX Claim 4; Page 41; 72pp; English.
 XX AAT50138-T50359 represent target sequences for the rabbit cholesterol
 CC ester transfer protein (CETP) hammerhead (HH) ribozymes (see AAT50360-
 CC T50546). CETP is a 74 kD glycoprotein that facilitates neutral lipid
 CC transfer between plasma lipoproteins. The numbering of the targets refers

KW	Hammerhead ribozyme; cholesterol ester transfer protein; mRNA cleavage;
KW	neutral lipid transfer; plasma lipoprotein; atherosclerosis; atherectomy;
KW	reverse cholesterol transport; high density lipoprotein; therapy; CETP;
KW	familial hypercholesterolaemia; dyslipidaemia; hypoalphalipoproteinaemia;
KW	peripheral vascular disease; hyperbetalipoproteinaemia; RCT; inhibitor;
KW	angioplastic restenosis; low density lipoprotein; diabetes; HDL; rabbit;
KW	LDL; ss.
XX	
OS	Oryctolagus cuniculus.
XX	
PN	WC9620279-A1.
XX	
PD	04-JUL-1996.
XX	
PF	11-DEC-1995; 95WO-US016000.
XX	
PR	23-DEC-1994; 94US-00363240.
XX	
PA	(RIBO-) RIBOZYME PHARM INC.
PA	(WARN) WARNER LAMBERT CO.
XX	
PI	Couture L, Stinchcomb D, Mcswiggen J, Bisgaier C, Pape M;
XX	
DR	WPI; 1996-321852/32.
XX	
PT	New ribozyme(s) for cleaving cholesterol ester transfer protein mRNA -
PT	useful for preventing or treating initial development, progression or
PT	regression of vascular diseases, esp. familial hypercholesterolaemia.
XX	
PS	Claim 4; page 41; 72pp; English.
XX	
CC	AAT50138-T50359 represent target sequences for the rabbit cholesterol

XX antisense oligonucleotides directed against the
CC AAV48887-929 represent antisense oligonucleotides
CC AAV48887-917 resulted in
CC of these only oligonucleotides AAV48887-917 resulted in
CC for gene

New human placental transglutaminase useful for promoting healing of wounds.

Example 1; Col 33; 19pp; English.

PCR primers AA210279-80 were used to amplify a 468 bp fragment of Human placental transglutaminase cDNA for use as a probe to isolate the full length sequence. The specification also describes Human placental transglutaminase, which catalyses calcium ion-dependent crosslinking of

This invention describes a novel conjugate (I) which consists of (A) a molecule to be transported and (B) at least one aryl residue of formula $\text{Ar}-\text{CH}(\text{C}(\text{Y})-\text{R}_1)-\text{N}(\text{II})$. Ar = group containing at least one aromatic ring; X = O or N (sic); Y = O, S or NH-R₂ (sic); R₁ = optionally substituted 1-23C alkyl (optionally containing double and/or triple bonds); R₂ = optionally substituted 1-18C alkyl (optionally containing double and/or triple bonds); n = integer of 1 or more. (A) is bonded to (B) directly or via a chemical group, provided that the chemical group is other than CH₂ or S. If the bond is via a phosphodiester linkage of (A). The invention also describes (I) the preparation of a conjugate (I') of (A') a molecule to

CC be transported and (B') at least one aryl residue (not restricted to
 CC (II)), by preparing (A') containing a reactive function at the position
 CC at which (B') is to be bonded, preparing (B') and reacting (A') and (B');
 CC and (ii) the use of aryl groups (II) (optionally bonded via a chemical
 CC group) for transporting (A) across biological membranes. The products of
 CC the invention have cytostatic, virucide, vasotropic, dermatological,
 CC antiproliferative and antiasthmatic activity and can be used for gene
 CC therapy. Conjugation of (A) with (B) is useful for transporting (A)
 CC across biological membranes or into eukaryotic or prokaryotic cells
 CC (specifically bacterial, yeast or mammalian cells, including human cells,
 CC particularly tumor cells). Medicaments, diagnostic agents and test kits
 CC containing (I) are also claimed. Typically (I) are antisense
 CC oligonucleotide derivatives for tumor therapy; oligonucleotide drugs for
 CC treating viral infections or diseases associated with integrins or cell-
 CC cell interactions (e.g. restenosis, vitiligo, psoriasis or asthma); or
 CC labeled oligonucleotides for in vivo diagnostic use, e.g. by in situ
 CC hybridization. Conjugation with (B) markedly improves the cellular uptake
 CC of (A), e.g. in tumor cells. (B) include fluorescent derivative residues,
 CC in which case the conjugates (I) are fluorescently labeled, allowing
 CC microscopic monitoring of cellular uptake etc. The cellular uptake of (I)
 CC is superior to that obtained using other conjugated groups related to
 CC (II); e.g. oligonucleotides conjugated with fluorescein diacetate (within
 CC the scope of (B)) have superior uptake to corresponding fluorescein
 CC conjugates
 CC
 XX Sequence 15 BP; 4 A; 7 C; 3 G; 1 T; 0 U; 0 Other;
 SQ
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1668 CAGCTGGAACCTG 1681
 DB 1 CAGCTGCAACCCAG 14
 RESULT 904
 AAS04348/c
 ID AAS04348 standard; DNA; 15 BP.
 XX
 AC AAS04348;
 DT 07-SEP-2001 (first entry)
 XX Human DAXX DNA allele-specific oligonucleotide primer #11.
 DE Death-associated protein 6; DAXX; polymorphism; haplotype pair; human;
 XX immune disorder; autoimmune disease; population diversity; ss;
 KW paternity testing; anthropological lineage; forensic application;
 KW oligonucleotide primer.
 OS Homo sapiens.
 XX WO200125245-A2.
 PN 12-APR-2001.
 PD 05-OCT-2000; 2000WO-US027487.
 XX 06-OCT-1999; 99US-0157909P.
 PR (GENA-) GENAISSANCE PHARM INC.
 XX Chew A, Choi JY, Denton RR, Nandabalan K, Stephens JC;
 PI WPI; 2001-308220/32.
 XX New human death-associated protein 6 (DAXX) gene variants comprising 19
 PT polymorphic sites useful in studying the effect of variation on the
 PT biological activity of DAXX and in developing drugs targeting the
 PT protein.
 XX Claim 15; Page 19; 97pp; English.

XX Sequences AAS04338-AAS04413 represent oligonucleotide primers specific
 CC for a DNA encoding human death-associated protein 6 (DAXX). This DNA may
 CC comprise one or more polymorphisms at specific nucleotide positions to
 CC form one of nineteen possible polymorphic variants. Associations between
 CC a trait and a genotype or a haplotype of the DAXX gene can be identified
 CC by comparing the frequency of the genotype or haplotype in a population
 CC exhibiting the trait with that of a reference population. A higher
 CC frequency in the trait population indicates an association. Methods
 CC involving genotyping or haplotyping of the DAXX gene of an individual can
 CC lead to prediction of haplotype pairs for the DAXX gene of related
 CC individuals, and may be useful in studying the expression and biological
 CC function of DAXX, as well as in developing drugs targeting this protein.
 CC Polymorphic variants of DAXX are useful in studying the effect of the
 CC variation on the biological activity of DAXX as well as on the binding
 CC affinity of candidate drugs targeting DAXX for the treatment of
 CC autoimmune diseases and other immune disorders. Polymorphism is also
 CC useful for studying population diversity, anthropological lineage,
 CC paternity testing, forensic applications, and for identifying
 CC associations between the DAXX genetic variation and a trait such as level
 CC of drug response or susceptibility to disease. DAXX proteins may be used
 CC to measure binding affinities of one or more candidate drugs targeting
 CC the DAXX protein
 XX
 SQ Sequence 15 BP; 4 A; 9 C; 1 G; 1 T; 0 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1632 GATGGGGCTGTGAG 1645
 DB 15 GTTGGGGCTGTGAG 2
 RESULT 905
 AAS04346/c
 ID AAS04346 standard; DNA; 15 BP.
 XX
 AC AAS04346;
 DT 07-SEP-2001 (first entry)
 XX Human DAXX DNA allele-specific oligonucleotide primer #9.
 DE Death-associated protein 6; DAXX; polymorphism; haplotype pair; human;
 XX immune disorder; autoimmune disease; population diversity; ss;
 KW paternity testing; anthropological lineage; forensic application;
 KW oligonucleotide primer
 OS Homo sapiens.
 XX WO200125245-A2.
 PN 12-APR-2001.
 PD 05-OCT-2000; 2000WO-US027487.
 XX 06-OCT-1999; 99US-0157909P.
 PR (GENA-) GENAISSANCE PHARM INC.
 XX Chew A, Choi JY, Denton RR, Nandabalan K, Stephens JC;
 PI WPI; 2001-308220/32.
 XX New human death-associated protein 6 (DAXX) gene variants comprising 19
 PT polymorphic sites useful in studying the effect of variation on the
 PT biological activity of DAXX and in developing drugs targeting the
 PT protein.
 XX Claim 15; Page 19; 97pp; English.

Sequences AAS04338-AAS04413 represent oligonucleotide primers specific for a DNA encoding human death-associated protein 6 (DAXX). This DNA may comprise one or more polymorphisms at specific nucleotide positions to form one of nineteen possible polymorphic variants. Associations between a trait and a genotype or a haplotype of the DAXX gene can be identified by comparing the frequency of the genotype or haplotype in a population exhibiting the trait with that of a reference population. A higher frequency in the trait population indicates an association. Methods involving genotyping or haplotyping of the DAXX gene of an individual can lead to prediction of haplotype pairs for the DAXX gene of an individual can individuals, and may be useful in studying the expression and biological function of DAXX, as well as in developing drugs targeting this protein. Polymorphic variants of DAXX are useful in studying the effect of the variation on the biological activity of DAXX as well as on the binding affinity of candidate drugs targeting DAXX for the treatment of autoimmune diseases and other immune disorders. Polymorphism is also useful for studying population diversity, anthropological lineage, paternity testing, forensic applications, and for identifying associations between the DAXX genetic variation and a trait such as level of drug response or susceptibility to disease. DAXX proteins may be used to measure binding affinities of one or more candidate drugs targeting the DAXX protein

Sequence 15 BP; 3 A; 10 C; 1 G; 1 T; 0 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1632 GATGGGCTGTAG 1645
 Db | ||||| ||||| |||||
 15 GGTGGGCTTGGAG 2

RESULT 906
 AAF51267/C

ID AAF51267 standard; DNA; 15 BP.

XX AC AAF51267;

XX DT 30-MAR-2001 (first entry)

XX DE IGF-I oligonucleotide #2227.

XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pteryiasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.

XX OS Homo sapiens.

XX PN WO200078341-A1.

XX PD 28-DEC-2000.

XX PF 21-JUN-2000; 2000WO-AU000693.

XX PR 21-JUN-1999; 99US-0140345P.

XX PA (MURD-) MURDOCH CHILDRENS RES INST.

XX PI Wright CJ, Werther GA, Edmondson SR;

XX DR WPI; 2001-041421/05.

XX PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or inflammation.

XX PS

Example 8; Page 75; 201pp; English.

XX The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotides of the present invention (see AAF45151 and AAF45153-F45161). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pteryiasis, ruba, pilaris, serborrhea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood vessels or any other hyperplasia

XX SQ Sequence 15 BP; 3 A; 5 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1719 ACGAGATGGAGAT 1732

Db ||||| ||||| |||||
 14 ACGAAGATGGAGTT 1

RESULT 907

AAF52888

ID AAF52888 standard; DNA; 15 BP.

XX AC AAF52888;

XX DT 30-MAR-2001 (first entry)

XX DE IGF-I oligonucleotide #3848.

XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pteryiasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.

XX OS Homo sapiens.

XX PN WO200078341-A1.

XX PD 28-DEC-2000.

XX PF 21-JUN-2000; 2000WO-AU000693.

XX PR 21-JUN-1999; 99US-0140345P.

XX PA (MURD-) MURDOCH CHILDRENS RES INST.

XX PI Wright CJ, Werther GA, Edmondson SR;

XX DR WPI; 2001-041421/05.

XX PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or inflammation.

XX PS Example 8; Page 86; 201pp; English.

XX The present invention relates to a method for ameliorating the effects of

CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX

SQ Sequence 15 BP; 2 A; 3 C; 6 G; 4 T; 0 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1724 GATGGAGATTGGCT 1737
 Db 1 GATGGAGCTGGCT 14

RESULT 910
 AAF51599/c
 ID AAF51599 standard; DNA; 15 BP.

XX AC AAF51599;

XX DT 30-MAR-2001 (first entry)

XX DE IGF-I oligonucleotide #2559.

XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.

OS Homo sapiens.

XX WO200078341-A1.

XX PD 28-DEC-2000.

XX PF 21-JUN-2000; 2000WO-AU000693.

XX PR 21-JUN-1999; 99US-0140345P.

XX PA (MURD-) MURDOCH CHILDRENS RES INST.

XX PI Wright CJ, Werther GA, Edmondson SR;

XX DR WPI; 2001-041421/05.

XX PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.

XX PS Example 8; Page 77; 201pp; English.

XX CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense

CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic

CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX

SQ Sequence 15 BP; 4 A; 4 C; 6 G; 1 T; 0 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1732 TTGGTCTCCCACTC 1745
 Db 14 TTGGTCTCCAGGTC 1

RESULT 911
 AAF47177/c
 ID AAF47177 standard; DNA; 15 BP.

XX AC AAF47177;

XX DT 30-MAR-2001 (first entry)

XX DE IGFBP3 oligonucleotide #597.

XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.

OS Homo sapiens.

XX WO200078341-A1.

XX PD 28-DEC-2000.

XX PF 21-JUN-2000; 2000WO-AU000693.

XX PR 21-JUN-1999; 99US-0140345P.

XX PA (MURD-) MURDOCH CHILDRENS RES INST.

XX PI Wright CJ, Werther GA, Edmondson SR;

XX DR WPI; 2001-041421/05.

XX PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.

XX PS Example 7; Page 48; 201pp; English.

XX CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia

XX SQ Sequence 15 BP; 3 A; 9 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 5.4e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1696 GTGCTGGAAGTTGG 1709
| | | | | | | | | |
Db 14 GGGGTGGAAGTTGG 1

RESULT 912
AAF51266/c
ID AAF51266 standard; DNA; 15 BP.
XX AAF51266;
XX
XX 30-MAR-2001 (first entry)
XX
XX IGF-I oligonucleotide #2226.
XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cycostatic; dermatological; cardiant; virocid; ophthalmological; keloid;
KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
XX Homo sapiens.
OS
XX
XX WO200078341-A1.
PN
XX 28-DEC-2000.
PD
XX 21-JUN-2000; 200WO-AU000693.
PF
XX 21-JUN-1999; 99US-0140345P.
PR
XX (MURD-) MURDOCH CHILDRENS RES INST.
XX
XX Wraight CJ, Werther GA, Edmondson SR;
PI
XX WPI; 2001-041421/95.
DR
XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
XX Example 8; Page 75; 201pp; English.
PS
XX The present invention relates to a method for ameliorating the effects of
XX skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, [for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3], which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC #45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, ptyriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 3 A; 6 C; 1 G; 5 T; 0 U; 0 Other;

QY	1719	ACGGAGATCGAGAT	1732
Db	15	ACGAAGATGGAGTT	2
RESULT	913		
AAAF47173/C			
ID	AAAF47173	standard; DNA; 15 BP.	
XX	AC	AAF47173;	
XX	XX		
XX	30-MAR-2001	(first entry)	
DT	XX		
DE	XX	IGFBP3 oligonucleotide #593.	
XX	XX		
KW	KW	Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;	
KW	KW	cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;	
KW	KW	skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;	
KW	KW	IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;	
KW	KW	growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba;	
KW	KW	keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;	
KW	KW	hyperneovascular condition; hyperplasia; kidney disease;	
KW	KW	neovascular condition of the retina; ss.	
XX	XX		
OS	XX	Homo sapiens.	
XX	XX		
PN	XX	WO200078341-Al.	
XX	PD	28-DEC-2000.	
XX	XX		
PF	XX	21-JUN-2000; 2000WO-AU000693.	
XX	XX		
PR	XX	21-JUN-1999; 99US-0140345P.	
XX	XX	(MURD-) MURDOCH CHILDRENS RES INST.	
PA	XX		
PI	XX	Wraight CJ, Werther GA, Edmondson SR;	
XX	XX		
DR	XX	WPI; 2001-041421/05.	
XX	XX		
PT	XX	Ameliorating the effects of a disorder, e.g. psoriasis, by administering	
PT	XX	UV (ultra-violet) treatment (optional) and an antisense nucleic acid that	
PT	XX	inhibits or reduces growth factor mediated cell proliferation and/or	
PT	XX	inflammation.	
XX	XX		
PS	XX	Example 7; Page 48; 20pp; English.	
XX	XX		
CC	XX	The present invention relates to a method for ameliorating the effects of	
CC	XX	skin disorders. The method comprises contacting the skin with an	
CC	XX	antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1	
CC	XX	receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of	
CC	XX	inhibiting or reducing growth factor mediated cell proliferation,	
CC	XX	inflammation and/or other disorders. The present sequence is an	
CC	XX	oligonucleotide which can be used to design the antisense	
CC	XX	oligonucleotides of the present invention (see AAF45151 and AAF45153-	
CC	XX	F45161). The method is useful for ameliorating the effects of psoriasis,	
CC	XX	ichthyosis, ptyriasis, ruba, pilaris, serborrhoea, keloids, keratosis,	
CC	XX	neoplasia, scleroderma, warts, benign growths, cancers of the skin, a	
CC	XX	hyperneovascular condition such as a neovascular condition of the retina,	
CC	XX	brain or skin, growth factor-mediated malignancies, other sclerotic	
CC	XX	disease, kidney disease, hyperproliferation of the inside of blood	
CC	XX	vessels or any other hyperplasia	
XX	XX		
SQ	XX	Sequence 15 BP; 4 A; 6 C; 2 G; 3 T; 0 U; 0 Other;	
	Query Match	7.8%;	Score 10.8; DB 1; Length 15;
	Best Local Similarity	85.7%;	Pred. No. 5.4e+02;
	Matches	12; Conservative	0; Mismatches 2; Indels 0; Gaps 0;
Qy	1699	GTGGAAGTTGGGTT	1712
Db	15	GTGGAAGTTGGGAT	2

```

RESULT 914
AAF51501
ID AAF51501 standard; DNA; 15 BP.
XX
AC AAF51501;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGF-I oligonucleotide #2461.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiact; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 8; Page 77; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 4 A; 5 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 5.4e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1652 GCAACACGAGGCT 1665
Db ||||| |||||
2 GCAACACGAGGCT 15

RESULT 915
AAF45992/c
ID AAF45992 standard; DNA; 15 BP.
XX
AC AAF45992;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGFBP2 oligonucleotide #831.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiact; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 6; Page 39; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 3 A; 5 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 5.4e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1726 TGGAGATTCGCTCC 1739
Db ||||| |||||
14 TGGAGATTCGCTCC 1

RESULT 916
AAF51598/c
ID AAF51598 standard; DNA; 15 BP.
XX
AC AAF51598;
XX

```

Mon Aug 30 09:26:45 2004

DT 30-MAR-2001 (first entry)
 DE IGF-I oligonucleotide #2558.
 XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytoskeletal; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX Homo sapiens.
 OS
 XX WO200078341-A1.
 PN
 XX 28-DEC-2000.
 PD
 XX 21-JUN-2000; 2000WO-AU000693.
 PF
 XX 21-JUN-1999; 99US-0140345P.
 PR
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 PA
 XX Wright CJ, Werther GA, Edmondson SR;
 PI
 XX WPI; 2001-041421/05.
 DR
 XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 XX UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 XX inhibits or reduces growth factor mediated cell proliferation and/or
 XX inflammation.
 XX Example 8; Page 77; 201pp; English.
 PS
 XX The present invention relates to a method for ameliorating the effects of
 XX skin disorders. The method comprises contacting the skin with an
 XX antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 XX receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 XX inhibiting or reducing growth factor mediated cell proliferation,
 XX inflammation and/or other disorders. The present sequence is an
 XX oligonucleotide which can be used to design the antisense
 XX oligonucleotides of the present invention (see AAF45151 and AAF45153-
 XX F45161). The method is useful for ameliorating the effects of psoriasis,
 XX ichthyosis, ptyriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 XX neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 XX hyperneovascular condition such as a neovascular condition of the retina,
 XX brain or skin, growth factor-mediated malignancies, other sclerotic
 XX disease, kidney disease, hyperproliferation of the inside of blood
 XX vessels or any other hyperplasia
 XX Sequence 15 BP; 4 A; 4 C; 5 G; 2 T; 0 U; 0 Other;
 SQ
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1732 TTGGCTCCCACTC 1745
 DB 15 TTGGCTCCAGGTC 2
 RESULT 917
 AAF51268/c
 ID AAF51268 standard; DNA; 15 BP.
 XX AAF51268;
 AC
 XX 30-MAR-2001 (first entry)
 DT
 XX IGF-I oligonucleotide #2228.
 DE
 XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytoskeletal; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX Homo sapiens.
 OS
 XX WO200078341-A1.
 PN
 XX 28-DEC-2000.
 PD
 XX 21-JUN-2000; 2000WO-AU000693.
 PF
 XX 21-JUN-1999; 99US-0140345P.
 PR
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 PA
 XX Wright CJ, Werther GA, Edmondson SR;
 PI
 XX WPI; 2001-041421/05.
 DR
 XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 XX UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 XX inhibits or reduces growth factor mediated cell proliferation and/or
 XX inflammation.
 XX Example 8; Page 77; 201pp; English.
 PS
 XX The present invention relates to a method for ameliorating the effects of
 XX skin disorders. The method comprises contacting the skin with an
 XX antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 XX receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 XX inhibiting or reducing growth factor mediated cell proliferation,
 XX inflammation and/or other disorders. The present sequence is an
 XX oligonucleotide which can be used to design the antisense
 XX oligonucleotides of the present invention (see AAF45151 and AAF45153-
 XX F45161). The method is useful for ameliorating the effects of psoriasis,
 XX ichthyosis, ptyriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 XX neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 XX hyperneovascular condition such as a neovascular condition of the retina,
 XX brain or skin, growth factor-mediated malignancies, other sclerotic
 XX disease, kidney disease, hyperproliferation of the inside of blood
 XX vessels or any other hyperplasia
 XX Sequence 15 BP; 4 A; 4 C; 5 G; 2 T; 0 U; 0 Other;
 SQ
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1732 TTGGCTCCCACTC 1745
 DB 15 TTGGCTCCAGGTC 2
 RESULT 917
 AAF51268/c
 ID AAF51268 standard; DNA; 15 BP.
 XX AAF51268;
 AC
 XX 30-MAR-2001 (first entry)
 DT
 XX IGF-I oligonucleotide #2228.
 DE
 XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytoskeletal; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX Homo sapiens.
 OS
 XX WO200078341-A1.
 PN
 XX 28-DEC-2000.
 PD
 XX 21-JUN-2000; 2000WO-AU000693.
 PF
 XX 21-JUN-1999; 99US-0140345P.
 PR
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 PA
 XX Wright CJ, Werther GA, Edmondson SR;
 PI
 XX WPI; 2001-041421/05.
 DR
 XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 XX UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 XX inhibits or reduces growth factor mediated cell proliferation and/or
 XX inflammation.
 XX Example 8; Page 75; 201pp; English.
 PS
 XX The present invention relates to a method for ameliorating the effects of
 XX skin disorders. The method comprises contacting the skin with an
 XX antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 XX receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 XX inhibiting or reducing growth factor mediated cell proliferation,
 XX inflammation and/or other disorders. The present sequence is an
 XX oligonucleotide which can be used to design the antisense
 XX oligonucleotides of the present invention (see AAF45151 and AAF45153-
 XX F45161). The method is useful for ameliorating the effects of psoriasis,
 XX ichthyosis, ptyriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 XX neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 XX hyperneovascular condition such as a neovascular condition of the retina,
 XX brain or skin, growth factor-mediated malignancies, other sclerotic
 XX disease, kidney disease, hyperproliferation of the inside of blood
 XX vessels or any other hyperplasia
 XX Sequence 15 BP; 2 A; 6 C; 2 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1717 GTACGGAGATGGAG 1730
 DB 15 GCACGAAGATGGAG 2
 RESULT 918
 AAF51502
 ID AAF51502 standard; DNA; 15 BP.
 XX AAF51502;
 AC
 XX 30-MAR-2001 (first entry)
 DT
 XX IGF-I oligonucleotide #2462.
 DE
 XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytoskeletal; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW

KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX Homo sapiens.
 XX WO200078341-A1.
 XX 28-DEC-2000.
 XX 21-JUN-2000; 2000WO-AU000693.
 XX 21-JUN-1999; 99US-0140345P.
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 XX Wright CJ, Werther GA, Edmondson SR;
 XX WPI; 2001-041421/05.
 XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 inhibits or reduces growth factor mediated cell proliferation and/or
 inflammation.
 XX Example 8; Page 77; 201pp; English.
 XX The present invention relates to a method for ameliorating the effects of
 skin disorders. The method comprises contacting the skin with an
 antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 inhibiting or reducing growth factor mediated cell proliferation,
 inflammation and/or other disorders. The present sequence is an
 oligonucleotide which can be used to design the antisense
 oligonucleotides of the present invention (see AAP45151 and AAP45153-
 F45161). The method is useful for ameliorating the effects of psoriasis,
 ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 hyperneovascular condition such as a neovascular condition of the retina,
 brain or skin, growth factor-mediated malignancies, other sclerotic
 disease, kidney disease, hyperproliferation of the inside of blood
 vessels or any other hyperplasia
 XX Sequence 15 BP; 4 A; 5 C; 5 G; 1 T; 0 U; 0 Other;
 SQ
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1652 GCAAGCACCAGGCT 1665
 Db 1 GCAACCACGAGGCT 14
 RESULT 919
 AAF51269/C
 ID AAF51269 standard; DNA; 15 BP.
 XX AAF51269;
 XX 30-MAR-2001 (first entry)
 XX IGF-I oligonucleotide #2229.
 XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.

XX Homo sapiens.
 XX WO200078341-A1.
 XX 28-DEC-2000.
 XX 21-JUN-2000; 2000WO-AU000693.
 XX 21-JUN-1999; 99US-0140345P.
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 XX Wright CJ, Werther GA, Edmondson SR;
 XX WPI; 2001-041421/05.
 XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 inhibits or reduces growth factor mediated cell proliferation and/or
 inflammation.
 XX Example 8; Page 75; 201pp; English.
 XX The present invention relates to a method for ameliorating the effects of
 skin disorders. The method comprises contacting the skin with an
 antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 inhibiting or reducing growth factor mediated cell proliferation,
 inflammation and/or other disorders. The present sequence is an
 oligonucleotide which can be used to design the antisense
 oligonucleotides of the present invention (see AAP45151 and AAP45153-
 F45161). The method is useful for ameliorating the effects of psoriasis,
 ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 hyperneovascular condition such as a neovascular condition of the retina,
 brain or skin, growth factor-mediated malignancies, other sclerotic
 disease, kidney disease, hyperproliferation of the inside of blood
 vessels or any other hyperplasia
 XX Sequence 15 BP; 1 A; 7 C; 2 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1717 GTACGGAGATGGAG 1730
 Db 14 GCACGAGATGGAG 1
 RESULT 920
 AAF69956
 ID AAF69956 standard; DNA; 15 BP.
 XX AAF69956;
 XX 18-APR-2001 (first entry)
 XX Human TNFRSF11B gene ASO probe, SEQ ID NO: 12.
 XX Human; TNFRSF11B; osteoclastogenesis inhibitory factor;
 KW single nucleotide polymorphism; SNP; osteoclast recruitment;
 KW osteoclast function; osteoporosis; metastatic bone disease;
 KW Paget's disease; rheumatoid arthritis; periodontal bone disease;
 KW allele-specific oligonucleotide; probe; ss.
 XX Homo sapiens.
 XX WO200104137-A1.
 XX 18-JAN-2001.

Mon Aug 30 09:26:45 2004

CC receptor-alpha gene (IL4R-alpha; see AAF57718 for the reference
 CC sequence). Polynucleotides comprising polymorphic gene variants are
 CC useful for therapeutic purposes. For example, where a patient may benefit
 CC from expression of a particular IL4Ralpha protein isoform, an expression
 CC vector encoding the isoform may be administered to the patient. It may
 CC desirable to decrease or block expression of a particular IL4Ralpha
 CC isogene, which may be done by turning off by transforming a targeted
 CC organ, tissue or cell population with an expression vector that expresses
 CC high levels of untranslatable mRNA for the isogene. Specific therapeutics
 CC identified by these methods may be useful for allergic diseases. The
 CC present sequence is a probe for human IL4R-alpha
 XX Sequence 15 BP; 3 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
 SQ

Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1728 GAGATTGGCTCCCA 1741
 Db 15 GAGCTTGGCTCCCA 2
 ||||| |||||
 ||||| |||||

RESULT 922
 AAF49214
 ID AAF49214 standard; DNA; 15 BP.
 XX
 AC AAF49214;
 DT 26-NOV-2001 (first entry)
 XX
 DE Anti-c-Ha-ras oligonucleotide VIII.
 XX
 KW Polyamide-oligonucleotide derivative; anticancer; antiproliferative;
 KW antiviral; hepatotropic; vasotropic; antisense inhibition; ribozyme;
 KW integrin; cell-cell adhesion; cancer; restenosis; stability; PNA;
 KW peptide nucleic acid; ss.
 XX
 OS Synthetic.
 XX
 PN EP1113021-A2.
 XX
 PD 04-JUL-2001.
 XX
 PF 08-MAR-1995; 2001EP-00104012.
 XX
 PR 14-MAR-1994; 94DE-04408528.
 PR 08-MAR-1995; 95EP-00103332.
 XX
 PA (AVET) AVENTIS PHARMA DEUT GMBH.
 XX
 PI Uhlmann E, Breipohl G,
 XX
 DR WPI; 2001-591267/67.
 XX
 PT New DNA-peptide nucleic acid chimeras, useful e.g. as antisense agents
 PT for treating e.g. cancer, also as diagnostic probes and primers.
 XX
 PS Disclosure; Page 22; 54pp; German.
 XX
 CC This invention describes novel polyamide-oligonucleotide derivatives (I)
 CC and their physiologically acceptable salts of formula F((DNA)-Li).q(PNA-
 CC Li) r(DNA-Li) s(PNA) t) xP' where q, r, s, t = 0 or 1, with the sum of
 CC two or more adjacent "latters" at least 2; x = 1-20; DNA = nucleic acid
 CC (such as DNA or RNA or their known derivatives); Li = covalent linkage
 CC between DNA and PNA, i.e. a bond or a residue containing at least one
 CC atom of carbon, nitrogen, oxygen or sulfur; PNA = polyamide structure
 CC containing at least one nucleobase different from thymine; and F, P' =
 CC end groups and/or are connected through a covalent bond. The products of
 CC the invention have anticancer, antiproliferative, antiviral, hepatotropic
 CC and vasotropic activity and can be used for the inhibition of gene
 CC expression by antisense, ribozyme, sense, or triple-helix methods, or by
 CC binding to proteins (aptamers). (I) are used for treating diseases caused

CC The present invention relates to polymorphisms of the human interleukin 4

10-JUL-2000; 2000WO-US018803.
 09-JUL-1999; 99US-0143020P.
 (GENA-) GENAISSANCE PHARM INC.
 Chew A, Denton RR, Duda A, Nandabalan K, Stephens JC;
 WPI; 2001-147175/15.
 Human Osteoclastogenesis Inhibitory Factor nucleotides, comprising single
 nucleotide polymorphisms, useful for studying e.g. osteoporosis, Paget's
 disease and rheumatoid arthritis.
 Claim 15; Page 21; 114pp; English.
 The present sequence is a probe used to detect polymorphisms in the human
 osteoclastogenesis inhibitory factor (TNFRSF11B). Polynucleotides
 comprising one or more of twenty four novel single nucleotide
 polymorphisms in the TNFRSF11B gene have been identified. TNFRSF11B
 regulate osteoclast recruitment and function. An understanding of
 variations in the gene should thus be useful in developing new therapies
 for metabolic disorders caused by abnormal osteoclast recruitment and
 function such as osteoporosis, metastatic bone disease, Paget's disease,
 rheumatoid arthritis and periodontal bone disease
 Sequence 15 BP; 1 A; 5 C; 4 G; 5 T; 0 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1677 CCTGGTGTCTCCT 1690
 Db 2 CCTGGTGTCTCCT 15
 ||||| |||||
 ||||| |||||

RESULT 921
 AAF69487/C
 ID AAF69487 standard; DNA; 15 BP.
 XX
 AC AAF69487;
 DT 18-APR-2001 (first entry)
 XX
 DE Human IL4Ralpha gene probe #127.
 XX
 KW Polymorphism; human; interleukin 4 receptor-alpha; IL4R-alpha;
 KW allergic disease; probe; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200104270-A1.
 XX
 PD 18-JAN-2001.
 XX
 PF 13-JUL-2000; 2000WO-US019094.
 XX
 PR 13-JUL-1999; 99US-0143435P.
 XX
 PA (GENA-) GENAISSANCE PHARM INC.
 XX
 PI Chew A, Denton RR, Duda A, Nandabalan K, Stephens JC;
 PI Windemuth AK;
 XX
 DR WPI; 2001-103078/11.
 XX
 CC New isolated polynucleotide useful for the identification of therapeutics
 CC in allergic diseases is new.
 XX
 PS Claim 15; Page 44; 188pp; English.
 XX
 CC The present invention relates to polymorphisms of the human interleukin 4

CC by viruses (human immune deficiency, herpes simplex, influenza, vesicular
 CC stomatitis, hepatitis B or papilloma), or mediated by integrins or cell-
 CC cell adhesion reactions, for treating cancer, or for inhibiting
 CC restenosis, particularly as antisense reagents. They are also useful in
 CC heterogeneous or homogeneous assays, as primers or probes, particularly
 CC where the target is amplified before being detected by hybridization, for
 CC diagnosis of genetic, malignant or pathogen-related diseases. (I) retain
 CC the increased affinity for complementary strands and better stability in
 CC serum, associated with conventional peptide nucleic acids (PNA), but lack
 CC the disadvantages, i.e. have improved cellular uptake, do not aggregate
 CC in aqueous solution, and have reduced affinity for purification
 CC materials, reduced cytotoxicity, better sequence specificity. They are
 CC more active than either DNA or PNA oligomers. When used as probes, (I)
 CC show different responses to base-pair mismatches in the DNA and PNA
 CC segments, allowing better discrimination between pathogenic and non-
 CC pathogenic conditions such as the transition from proto-oncogene to
 CC oncogene, also, when used as primers, with the PNA segment at the 5'-end,
 CC they produce amplicons resistant to 5'-exonuclease, allowing this enzyme
 CC to be used to eliminate RNA or DNA primers. The DNA component allows
 CC additional reactions not possible with PNA alone, e.g. 3'-tailing and (I)
 CC may be incorporated into a gene. AAH49208-AAH49264 represent
 CC oligonucleotides used to illustrate the method of the invention
 XX
 SQ Sequence 15 BP; 4 A; 7 C; 3 G; 1 T; 0 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1668 CAGCTGGAAACCTG 1681
 ||||| |||||
 Db 1 CAGCTGCAACCCAG 14

RESULT 923

ABL01599
 ID ABL01599 standard; DNA; 15 BP.
 XX
 AC ABL01599;
 XX
 DT 15-MAR-2002 (first entry)
 XX
 DE c-Ha-ras targeted antisense peptide nucleic acid SEQ ID NO: 5.
 XX
 KW Peptide nucleic acid; PNA; cytosstatic; virucide; dermatological;
 KW antiasthmatic; overexpression; viral infection; vitiligo; antisense;
 KW pigmentation disorder; asthma; polyamide backbone; ss.
 XX
 OS Unidentified.
 XX
 FH Key Location/Qualifiers
 modified_base 1..15
 FT /*tag= a
 FT /note= "This sequence is a peptide nucleic acid, i.e. it
 FT contains a polyamide backbone instead of a deoxyribose
 FT backbone"
 FT modified_base 1
 FT /*tag= b
 FT /mod_base= OTHER
 FT /note= "linked to one of the peptides shown in ABB04517
 FT and ABB04518 to form a PNA-peptide conjugate"
 XX
 PN WO200179216-A2.
 XX
 XX 25-OCT-2001.
 XX
 PD 07-APR-2001; 2001WO-EP004030.
 XX
 PR 18-APR-2000; 2000DE-01019135.
 XX
 PA (AVET) AVENTIS PHARMA DEUT GMBH.
 XX
 PI Uhlmann E, Breipohl G, Will DW;

XX WPI; 2002-075055/10.
 DR
 XX
 PT New peptide nucleic acid derivatives, useful e.g. for tumor treatment and
 PT diagnosis, contain terminal, deprotonizable phosphoryl groups for e.g.
 PT improved solubility.
 XX
 PS Disclosure; Page 19; 93pp; German.
 XX
 CC The present invention relates to peptide nucleic acid (PNA) derivatives
 CC having at the C-, and optionally N-, terminus one or more phosphoryl
 CC groups, at least one of which contains one or more deprotonisable groups,
 CC preferably hydroxy or mercapto. These PNAs are useful in the treatment of
 CC tumours or any disease associated with (over)expression of particular
 CC genes, including viral infections, vitiligo or other pigmentation
 CC disorders, and asthma. The present sequence is a peptide nucleic acid
 CC described in the exemplification of the invention
 XX
 SQ Sequence 15 BP; 4 A; 7 C; 3 G; 1 T; 0 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred No. 5.4e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1668 CAGCTGGAAACCTG 1681
 ||||| |||||
 Db 1 CAGCTGCAACCCAG 14

RESULT 924
 ABA97499
 ID ABA97499 standard; DNA; 15 BP.
 XX
 AC ABA97499;
 XX
 DT 16-APR-2002 (first entry)
 XX
 DE c-Ha-ras targeted antisense peptide nucleic acid SEQ ID NO: 45.
 XX
 KW Peptide nucleic acid; PNA; polyamide backbone; phosphoryl radical;
 KW cytosstatic; virucide; dermatological; antiasthmatic; cancer; antisense;
 KW viral infection; vitiligo; pigmentation disorder; asthma; ss.
 XX
 OS Unidentified.
 OS Synthetic.
 XX
 PN WO200179249-A2.
 XX
 PD 25-OCT-2001.
 XX
 PF 07-APR-2001; 2001WO-EP004027.
 XX
 PR 18-APR-2000; 2000DE-01019136.
 XX
 PA (AVET) AVENTIS PHARMA DEUT GMBH.
 XX
 PI Uhlmann E, Breipohl G, Will DW;
 XX
 WPI; 2002-089643/12.
 XX
 PT New peptide nucleic acid derivatives, useful e.g. for treating tumors and
 PT diagnosis, have N-terminal phosphoryl residue for improving e.g.
 PT solubility in water.
 XX
 PS Disclosure; Page 90; 96pp; German.
 XX
 CC The present invention relates to peptide nucleic acid (PNA) derivatives.
 CC These can be used in the treatment of cancer, viral infections, vitiligo
 CC or other pigmentation disorders, and asthma. The present sequence is an
 CC oligonucleotide fragment of a PNA described in the exemplification of the
 CC invention
 XX
 SQ Sequence 15 BP; 4 A; 7 C; 3 G; 1 T; 0 U; 0 Other;

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CC CC (MDR1), lactotransferrin (LTF), multidrug resistance associated protein 3
CC CC (MRP3), orphan nuclear receptor (NR1I2), or acetylcholine muscarinic
CC CC receptor 1, 2, 3, 4, or 5 (CHMR1, CHMR2, CHMR3, CHMR4 or CHMR5) sequence.
CC CC The polymorphisms in the human genes cited in the invention are useful as
CC CC genetic linkage markers for locating and characterizing the genes that
CC CC are responsible for specific traits within the genome and eventually
CC CC identifying the genes responsible for a variety of disorder-related
CC CC traits as a result of their e.g., overexpression, constitutive
CC CC expression, mutation or underexpression. The nucleic acid molecules comprising the
CC CC and/or treating the disorders. The nucleic acid molecules comprising the
CC CC polymorphic sequences contained in CYP4501A1, CYP4501A2, CYP4502E1,
CC CC ARNT, EPHX2, GSTI2, NNMT, NQO2, NR1I2, STM, UGT2B4, UGT2B7, UGT2B15, AHR,
CC CC MDR1 and/or MDR3 are useful for screening individuals for altered drug
CC CC metabolism. The polymorphic sequences contained in CYP4501A1, CYP4501A2,
CC CC AHR, MDR1 and/or MDR3 may also be used to screen individuals for
CC CC susceptibility to cancer. Polymorphic sequences in ADRB1 or CHMR2 are
CC CC used to screen for altered cardiovascular function, in COX2 for altered
CC CC susceptibility to colorectal tumours, in DBI or CHMR1 for altered central
CC CC nervous system function, in FLAP and HNNMT for altered pulmonary,
CC CC immunological or haematological function, in KUK2 for altered serine
CC CC protease activity in the prostate, in LTF for altered immunological or
CC CC haematological function, in CHMR3, CHMR4 or CHMR5 for altered central and
CC CC peripheral nervous system function. The present sequence represents a PCR
CC CC primer used to amplify the sequences of the invention
XX SQ Sequence 15 BP; 3 A; 1 C; 9 G; 2 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 5.4e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1724 GATGGAGATGGCT 1737
Db 1 GAGGGAGATGGCT 14

RESULT 926
AAL46735
ID AAL46735 standard; DNA; 15 BP.
XX AC AAL46735;
XX DT 08-AUG-2002 (first entry)
XX DE c-Ha-ras antisense oligonucleotide #1.
XX KW Modified antisense oligonucleotide; antisense; cancer; infection;
XX KW cytostatic; virucide; anti-HIV; hepatotropic; antiinflammatory; c-Ha-ras;
XX KW phosphorothioate backbone; integrin; cell-cell adhesion receptor; ss.
XX OS Unidentified.
XX FH Key Location/Qualifiers
FT modified_base 1..7
FT /*tag= a
FT /mod_base= OTHER
FT /note= "optionally phosphorothioate backbone"
FT modified_base 10..14
FT /*tag= b
FT /mod_base= OTHER
FT /note= "optionally phosphorothioate backbone"
XX EP1182206-A2.
XX 27-FEB-2002.
XX 07-NOV-1994; 2001EP-00124078.
XX 12-NOV-1993; 93DE-04338704.
XX 07-NOV-1994; 94EP-00117513.
XX (FARH ) HOECHST AG.
XX PA

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PI Peymann A, Uhlmann E, Mag M, Kretschmar G, Helsberg M, Winkler I;
XX WPI; 2002-353922/39.
XX
PT New nuclease-resistant oligonucleotides having modified non-terminal
PT Pyrimidine nucleoside(s), useful e.g. for treating cancer or viral
PT diseases or as diagnostic reagents.
XX
PS Disclosure; Page 9; 19pp; German.
XX
XX
CC The present invention relates to oligonucleotides having at least one non
CC -terminal pyrimidine nucleoside modified and additionally having the 5'-
CC and/or 3'-terminal modified. These can be used in the treatment of viral
CC infections, such as HIV, HSV-1, HSV-2, influenza virus, VSV, hepatitis B
CC and papilloma viruses, cancer and diseases involving integrins and cell-
CC cell adhesion receptors. The present sequence is an antisense
CC oligonucleotide of the invention
XX
SQ Sequence 15 BP; 4 A; 7 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 5.4e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1668 CAGCTGGACCCCTG 1681
Db 1 CAGCTGGACCCAG 14

RESULT 927
ACD82348/c
ID ACD82348 standard; DNA; 15 BP.
XX
AC ACD82348;
XX
DT 19-SEP-2003 (first entry)
XX
DE Nucleic acid cloning associated adaptor molecule #49.
XX
KW Adaptor molecule; nucleic acid cloning; nucleic acid ligation;
KW internal deletion mutagenesis analysis; cloning vehicle; ss.
XX
OS Synthetic.
XX
XX US2003044791-A1.
XX
XX 06-MAR-2003.
XX
XX 13-JUN-2001; 2001US-00880313.
XX
XX 13-JUN-2001; 2001US-00880313.
XX (FLEM/) FLEMINGTON E K.
XX
XX Flemington EK;
XX
XX WPI; 2003-521745/49.
XX
XX New adaptor molecules, useful for cloning nucleic acid molecules that
XX does not require the design and synthesis of oligonucleotides or PCR
XX primers.
XX
XX Claim 12; Fig 1; 100pp; English.
XX
XX
CC The invention describes adaptor molecules, where each end of the adaptor
CC is compatible with a nucleic acid digested with a restriction enzyme or a
CC nucleic acid comprising an end that is compatible with a nucleic acid
CC digested with a restriction enzyme. The adaptor molecules, compositions,
CC kits and arrays are useful for cloning nucleic acid molecules that does
CC not require the design and synthesis of oligonucleotides or PCR primers.
CC The adaptors, kits and arrays are also useful for ligating two ends of a
CC single nucleic acid molecule, or ligating two or more nucleic acid
CC molecules. The kits can also be used for performing internal deletion

CC mutagenesis analysis. The adaptor molecules are ligated to a cloning
CC vehicle, making the cloning procedure more rapid and efficient, and less
CC error-prone. This sequence represents a nucleic acid cloning associated
CC adaptor molecule
XX
SQ Sequence 15 BP; 2 A; 5 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 5.4e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCGAAGC 1657
Db 15 AGCTGCGAGGCAAGC 2

RESULT 928
ADC84126/c
ID ADC84126 standard; DNA; 15 BP.
XX
AC ADC84126;
XX
DT 01-JAN-2004 (first entry)
XX
DE Human papillomavirus type 61 (HPV 61) detection oligonucleotide #1.
XX
XX probe; human papilloma virus; HPV; detection; identification; ss.
XX
XX Human papillomavirus type 61.
XX
XX EP1302550-A1.
XX
XX 16-APR-2003.
XX
XX 10-OCT-2001; 2001EP-00123379.
XX
XX 10-OCT-2001; 2001EP-00123379.
XX (KING-) KING CAR FOOD IND CO LTD.
XX
XX Lin C, Lin R, You C, Huang H, Lee B, Lee H, Lin Y, Fan C;
XX Hsu H, Shih C, Yeh C, Kao Y, Pan C, Chan P;
XX
XX WPI; 2003-432398/41.
XX
XX Detector for identifying human papilloma virus subtypes, comprises
XX carrier having two parts carrying first and second oligonucleotides that
XX respectively hybridize with DNA contained in first and second subtypes of
XX the virus.
XX
XX Claim 4; SEQ ID NO 356; 221pp; English.
XX
XX The invention comprises oligonucleotides for detecting and identifying
XX subtypes of human papilloma virus (HPV) contained in a sample. The
XX oligonucleotides of the invention are useful for simultaneously detecting
XX and identifying subtypes of HPVs. The present DNA sequence represents an
XX HPV detection oligonucleotide of the invention.
XX
XX Sequence 15 BP; 2 A; 9 C; 1 G; 3 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 5.4e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1635 GGGGCTGTAGCAG 1648
Db 14 GGGGATGTAGCAG 1

RESULT 929
AAQ29796/c
ID AAQ29796 standard; DNA; 16 BP.
XX

AC AAQ29796;
 XX 25-MAR-2003 (revised)
 DT 19-MAR-1993 (first entry)
 XX A allele probe VP61.
 DE
 XX G-gamma globulin; GGG; polymorphism; HindIII; A allele; B; C; genotype;
 KW paternity; forensic; ss.
 XX Synthetic.
 OS
 XX EP512342-A2.
 PN 11-NOV-1992.
 XX
 XX 25-APR-1992; 92EP-00107084.
 PF
 XX 07-MAY-1991; 9IUS-00696793.
 PR
 XX (HOFF) HOFFMANN LA ROCHE & CO AG F.
 PA
 XX Saiki RK, Nasarabadi SL;
 PI WPI; 1992-374679/46.
 XX
 DR Determn. of an individuals genotype at the gamma-globin locus - using
 XX sequence-specific oligo-nucleotide probes corresp. to 3 alleles.
 PT
 XX Disclosure; Page 15; 29pp; English.
 PS
 XX The sequences given in AAQ29787-816 are probes which were used within the
 CC method of the invention for detecting the presence of a variant sequence
 CC in the G-gamma globulin (GGG) locus. The A, B and C alleles can be
 CC distinguished from one another by the polymorphic sequence corresponding
 CC to the HindIII site of the A allele. The sequences of the three alleles
 CC are given in AAQ29842-44. The methods for determining an individuals
 CC genotype at the GGG locus with respect to a set of alleles improves the
 CC discriminatory power of GGG typing methodology compared to previous
 CC methods using two alleles. (Updated on 25-MAR-2003 to correct PN field.)
 XX
 XX Sequence 16 BP; 5 A; 8 C; 1 G; 2 T; 0 U; 0 Other;
 SQ
 XX Query Match 7.8%; Score 10.8; DB 1; Length 16;
 XX Best Local Similarity 85.7%; Pred. No. 5.8e+02;
 XX Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 XX
 XX 1672 TGGAGCCCTGGTGT 1685
 QY ||||| |||||
 DB 15 TGGAGCTTGGTGT 2
 XX
 XX RESULT 930
 XX AAQ29791/C
 XX ID AAQ29791 standard; DNA; 16 BP.
 XX AC AAQ29791;
 XX 25-MAR-2003 (revised)
 DT 19-MAR-1993 (first entry)
 XX A allele probe VP43.
 DE
 XX G-gamma globulin; GGG; polymorphism; HindIII; A allele; B; C; genotype;
 KW paternity; forensic; ss.
 XX Synthetic.
 OS
 XX EP512342-A2.
 PN 11-NOV-1992.
 XX
 XX 25-APR-1992; 92EP-00107084.
 PF

XX 07-MAY-1991; 9IUS-00696793.
 XX (HOFF) HOFFMANN LA ROCHE & CO AG F.
 XX Saiki RK, Nasarabadi SL;
 PI WPI; 1992-374679/46.
 XX
 DR Determn. of an individuals genotype at the gamma-globin locus - using
 XX sequence-specific oligo-nucleotide probes corresp. to 3 alleles.
 PT
 XX Disclosure; Page 14; 29pp; English.
 PS
 XX The sequences given in AAQ29787-816 are probes which were used within the
 CC method of the invention for detecting the presence of a variant sequence
 CC in the G-gamma globulin (GGG) locus. The A, B and C alleles can be
 CC distinguished from one another by the polymorphic sequence corresponding
 CC to the HindIII site of the A allele. The sequences of the three alleles
 CC are given in AAQ29842-44. The methods for determining an individuals
 CC genotype at the GGG locus with respect to a set of alleles improves the
 CC discriminatory power of GGG typing methodology compared to previous
 CC methods using two alleles. (Updated on 25-MAR-2003 to correct PN field.)
 XX
 XX Sequence 16 BP; 4 A; 9 C; 1 G; 2 T; 0 U; 0 Other;
 SQ
 XX Query Match 7.8%; Score 10.8; DB 1; Length 16;
 XX Best Local Similarity 85.7%; Pred. No. 5.8e+02;
 XX Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 XX
 XX 1698 GGTGGAAGTTGGT 1711
 QY ||||| |||||
 DB 15 GGTGGAAGCTGGT 2
 XX
 XX RESULT 931
 XX AAQ29787/C
 XX ID AAQ29787 standard; DNA; 16 BP.
 XX AC AAQ29787;
 XX 25-MAR-2003 (revised)
 DT 19-MAR-1993 (first entry)
 XX A allele probe SN27.
 DE
 XX G-gamma globulin; GGG; polymorphism; HindIII; A allele; B; C; genotype;
 KW paternity; forensic; ss.
 XX Synthetic.
 OS
 XX EP512342-A2.
 PN 11-NOV-1992.
 XX
 XX 25-APR-1992; 92EP-00107084.
 PF
 XX 07-MAY-1991; 9IUS-00696793.
 PR
 XX (HOFF) HOFFMANN LA ROCHE & CO AG F.
 PA
 XX Saiki RK, Nasarabadi SL;
 PI WPI; 1992-374679/46.
 XX
 DR Determn. of an individuals genotype at the gamma-globin locus - using
 XX sequence-specific oligo-nucleotide probes corresp. to 3 alleles.
 PT
 XX Disclosure; Page 13; 29pp; English.
 PS
 XX The sequences given in AAQ29787-816 are probes which were used within the
 CC method of the invention for detecting the presence of a variant sequence
 CC in the G-gamma globulin (GGG) locus. The A, B and C alleles can be

CC distinguished from one another by the polymorphic sequence corresponding
 CC to the HindIII site of the A allele. The sequences of the three alleles
 CC are given in AAQ29842-44. The methods for determining an individual's
 CC genotype at the GGG locus with respect to a set of alleles improves the
 CC discriminatory power of GGG typing methodology compared to previous
 CC methods using two alleles. (Updated on 25-MAR-2003 to correct PN field.)
 XX
 SQ Sequence 16 BP; 5 A; 8 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 16;
 Best Local Similarity 85.7%; Pred. No. 5.8e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1672 TGGAAACCTGGTGT 1685
 Db 15 TGGAACTGGTGT 2

RESULT 932
 AAQ29809/c
 ID AAQ29809 standard; DNA; 16 BP.

XX AC AAQ29809;

XX DT 25-MAR-2003 (revised)

XX DT 19-MAR-1993 (first entry)

XX DE C allele probe RS339.

XX KW G-gamma globulin; GGG; polymorphism; HindIII; A allele; B; C; genotype;

XX KW paternity; forensic; ss.

XX OS Synthetic.

XX EN EP512342-A2.

XX XX 11-NOV-1992.

XX PF 25-APR-1992; 92EP-00107084.

XX XX 07-MAY-1991; 91US-00696793.

XX XX (HOFF) HOFFMANN LA ROCHE & CO AG F.

XX PI Saiki RK, Nasarabadi SL;

XX DR WPI; 1992-374679/46.

XX PT Determn. of an individuals genotype at the gamma-globin locus - using

XX sequence-specific oligo-nucleotide probes corres. to 3 alleles.

XX FS Disclosure; Page 18; 29pp; English.

XX CC The sequences given in AAQ29787-816 are probes which were used within the

XX method of the invention for detecting the presence of a variant sequence

XX in the G-gamma globulin (GGG) locus. The A, B and C alleles can be

XX distinguished from one another by the polymorphic sequence corresponding

XX to the HindIII site of the A allele. The sequences of the three alleles

XX are given in AAQ29842-44. The methods for determining an individual's

XX genotype at the GGG locus with respect to a set of alleles improves the

XX discriminatory power of GGG typing methodology compared to previous

XX methods using two alleles. (Updated on 25-MAR-2003 to correct PN field.)
 XX
 SQ Sequence 16 BP; 6 A; 7 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 16;

Best Local Similarity 85.7%; Pred. No. 5.8e+02;

Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1672 TGGAAACCTGGTGT 1685

Db 15 TGGAACTGGTGT 2

RESULT 933
 AAT53422
 ID AAT53422 standard; RNA; 16 BP.
 XX AC AAT53422;
 XX DT 25-MAR-2003 (revised)
 XX DT 25-MAR-1997 (first entry)
 XX DE Rat-ICAM hairpin ribozyme target sequence (nt. position 1858).
 XX KW Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
 KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
 KW intercellular adhesion molecule; rel A; tumour necrosis factor;
 KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
 KW translocation; chronic myelogenous leukaemia; CML; cancer;
 KW Philadelphia chromosome; inflammation; autoimmune disease;
 KW atherosclerosis; myocardial infarction; stroke; restenosis;
 KW transplant rejection; rheumatoid arthritis; psoriasis;
 KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
 KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
 KW ss.
 XX OS Rattus rattus.
 XX XX WO9523225-A2.
 XX PD 31-AUG-1995.
 XX PF 23-FEB-1995; 95WO-IB000156.
 XX PR 23-FEB-1994; 94US-00201109.
 PR 29-MAR-1994; 94US-00218934.
 PR 04-APR-1994; 94US-00222795.
 PR 07-APR-1994; 94US-00224483.
 PR 15-APR-1994; 94US-00227958.
 PR 15-APR-1994; 94US-00228041.
 PR 18-MAY-1994; 94US-00245736.
 PR 06-JUL-1994; 94US-00271280.
 PR 15-AUG-1994; 94US-00291932.
 PR 16-AUG-1994; 94US-00291433.
 PR 17-AUG-1994; 94US-00292620.
 PR 19-AUG-1994; 94US-00293520.
 PR 02-SEP-1994; 94US-00300000.
 PR 08-SEP-1994; 94US-00303039.
 PR 23-SEP-1994; 94US-00311486.
 PR 23-SEP-1994; 94US-00311749.
 PR 28-SEP-1994; 94US-00314397.
 PR 03-OCT-1994; 94US-00316771.
 PR 07-OCT-1994; 94US-00319492.
 PR 11-OCT-1994; 94US-00321993.
 PR 04-NOV-1994; 94US-00334847.
 PR 10-NOV-1994; 94US-00337608.
 PR 28-NOV-1994; 94US-00345516.
 PR 16-DEC-1994; 94US-00357577.
 PR 23-DEC-1994; 94US-00363233.
 PR 30-JAN-1995; 95US-00380734.
 XX (RIBO-) RIBOZYME PHARM INC.
 XX PI Stinchcomb DT, Chowrira B, Drenzo A, Draper KG, Dudycz LM;
 PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
 PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
 PI Tracz D, Usman N, Wincott FE, Woolf T;
 XX WPI; 1995-351090/45.
 XX Ribozyms having modified bases and methods for producing them - for use
 in inhibiting disease related genes.
 PS Claim 2; Page 200; 407pp; English.

CC The present sequence represents a preferred target sequence for an
CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves ICAM-1 mRNA at the
CC nucleotide base position indicated in the DE line. Regions of the mRNA
CC that do not form secondary folding structures and that contain potential
CC hammerhead and hairpin ribozyme cleavage sites were identified by
CC computer analysis. Ribozymes directed against these mRNA sequences were
CC designed and synthesised with modifications that improve their nuclease
CC resistance. The ribozymes cleave the ICAM-1 target sequences and thereby
CC inhibit ICAM-1 expression, making them useful for reducing transplant
CC rejection and alleviating symptoms in patients with rheumatoid arthritis,
CC asthma and other inflammatory disorders. (Updated on 25-MAR-2003 to
CC correct PI field.)
XX

XX Sequence 16 BP; 2 A; 5 C; 6 G; 0 T; 3 U; 0 Other;
XX
XX Query Match 7.8%; Score 10.8; DB 1; Length 16;
XX Best Local Similarity 64.3%; Pred. No. 5.8e+02;
XX Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1689 CTCACGCTGGTGG 1702
DB 1 CUACAGCCUGGUGG 14

RESULT 934
AAT70568/c
ID AAT70568 standard; DNA; 16 BP.

XX AC AAT70568;
XX DT 04-NOV-1997 (first entry)
XX

XX Haemoglobin G gamma-globin allele A-specific probe.

XX Glycophorin A; sialoglycoprotein; human; erythrocyte; membrane;
XX M blood group antigen; N blood group antigen; allele A; B; A'; A''; B';
XX polymorphism; detection; sequence-specific oligonucleotide probe;
XX genotype; forensic; primer; PCR; polymerase chain reaction; amplify; ss.
XX Synthetic.
XX OS
XX US5643724-A.
XX
XX 01-JUL-1997.
XX
XX 06-JUN-1994; 94US-00255264.
XX
XX 06-JUN-1994; 94US-00255264.
XX
XX (HOFF) ROCHE MOLECULAR SYSTEMS INC.
XX
XX Filides NJ, Reynolds RL;
XX
XX WPI; 1997-350231/32.
XX

XX Detection of glycophorin A allele(s) - by hybridisation assay using
XX sequence-specific oligo:nucleotide probes.
XX
XX Example 3; Col 15-16; 16pp; English.

XX Glycophorin A is a major sialoglycoprotein of the human erythrocyte
XX membrane. Glycophorin A carries the M or N blood group antigen, which is
XX determined by the amino acid at residues 1 and 5. Allele A encodes the
XX protein carrying the M blood group antigen and allele B encodes the
XX protein carrying the N blood group antigen. Three additional alleles have
XX been discovered, designated A', A'', and B'. Detecting an A', A'' or B'
XX allele of the Glycophorin A locus in a human nucleic acid sample
XX comprises mixing the sample under stringent hybridisation conditions with
XX a sequence-specific oligonucleotide probe that distinguishes the A', A'
XX or B' allele from A and B alleles, and detecting any hybridisation. The
XX method and probes are used for determining an individual's Glycophorin A
XX genotype, especially useful for determining individual identity for
XX forensic purposes. AAT70558-67 (and also AAT70582-83) are primers from

CC the AmpliType (R) PM kit used in a Glycophorin A typing system developed
CC by Hoffmann-La Roche. The primers direct the simultaneous amplification
CC of specific regions of the following six genetic loci: Glycophorin A, HLA
CC DQA1, Low density lipoprotein receptor, Haemoglobin G gamma-globin, D7S8
CC and group specific component. Probe strips are also provided in the kit
CC (AAT70568-81)
XX

XX Sequence 16 BP; 5 A; 8 C; 1 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 7.8%; Score 10.8; DB 1; Length 16;
XX Best Local Similarity 85.7%; Pred. No. 5.8e+02;
XX Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1672 TGGAAACCTGGTGT 1685
DB 15 TGGAACTGGTGT 2

RESULT 935
AAT85750
ID AAT85750 standard; DNA; 16 BP.

XX AC AAT85750;
XX DT 15-JAN-1998 (first entry)
XX

XX FMR2 gene exon 11-intron 11 junction.

XX FMR2 gene; FRAXE; rate folate-sensitive fragile site;
XX X-linked mental retardation; diagnosis; therapy; ss.

XX Homo sapiens.

XX Key Location/Qualifiers

XX exon 1..10
XX /tag= a
XX /note= "exon 11 (1011 bp) 5' region"
XX intron 11..116
XX /tag= b
XX /note= "intron 11 5' region"

XX WO9723610-A1.

XX 03-JUL-1997.

XX 20-DEC-1996; 96WO-AU000825.

XX 22-DEC-1995; 95AU-00007366.

XX (WOMEN-) WOMEN'S & CHILDREN'S HOSPITAL.

XX Mulley JC, Gecz J;

XX DR WPI; 1997-351051/32.

XX DNA containing gene associated with FRAXE mental retardation - useful for
XX diagnosis and therapy of FRAXE mental retardation.

XX Disclosure; Page 8; 39pp; English.

XX This nucleotide sequence comprises the junction region between exon 11
XX and intron 11 of the human FMR2 gene (see also AAT85728). Splice sites
XX were determined for exons 1-19 of the FMR2 gene (see AAT85729-64). The
XX FMR2 gene is associated with FRAXE (a rare folate-sensitive fragile site)
XX mental retardation. This can be caused either by CCG expansion within the
XX 5' untranslated region of the FMR2 gene or by deletion of coding
XX sequences. Isolation of the FMR2 gene permits an improvement in
XX diagnostic techniques, as well as the possibility for genetic
XX manipulation to overcome FRAXE-associated mental retardation

XX Sequence 16 BP; 7 A; 3 C; 4 G; 2 T; 0 U; 0 Other;

XX Query Match 7.8%; Score 10.8; DB 1; Length 16;


```
Best Local Similarity 85.7%; Pred. No. 5.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1644 AGCAGAGGACAGC 1657
DB 3 AGCACAAGGTAAAGC 16

RESULT 936
AAZ09804
ID AAZ09804 standard; DNA; 16 BP.
XX
AC AAZ09804;
XX
DT 26-NOV-1999 (first entry)
XX
DE p53 exon 7 PCR primer 2.
XX
KW Primer extension; primer; preamplification; 3'-5' exonuclease activity;
KW PEP-PCR; mutation analysis; microsatellite analysis; DNA polymerase; p53;
KW ss.
XX
OS Synthetic.
XX
PN DE19813317-Al.
XX
PD 30-SEP-1999.
XX
PF 26-MAR-1998; 98DE-01013317.
XX
PR 26-MAR-1998; 98DE-01013317.
XX
PA (HOFF) ROCHE DIAGNOSTICS GMBH.
XX
PI Rueschoff J, Dietmaier W;
XX
DR WPI; 1999-541759/46.
XX
PT Nucleic acid amplification involving primer extension preamplification,
PT especially for whole genome amplification.
XX
PS Example 6; Page 7; 24pp; German.
XX
CC This invention describes a novel method for the amplification of nucleic
CC acid fragments from a sample in two or three thermal cycling reactions
CC using random primers in the first reaction and specific primers in the
CC second reaction is new and comprises using a mixture of at least two DNA
CC polymerases, at least one of which has 3'-5' exonuclease activity. The
CC process is useful for whole genome amplification by primer extension
CC preamplification polymerase chain reaction (PEP-PCR). DNA amplified by
CC the process can be used for mutation analysis, as a template for
CC sequencing reactions, or for microsatellite analysis. The use of a
CC mixture of DNA polymerases, including at least one with proofreading
CC ability, results in increased sensitivity, such that cell-specific
CC amplification products can be generated with a probability of more than
CC 90% from samples containing no more than 100 cells, preferably no more
CC than 5-10 cells. AAZ09799-Z09815 represent PCR primers used in the method
CC of the invention
XX
SQ Sequence 16 BP; 6 A; 1 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 5.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1713 AGCAGTACGAGAT 1726
DB 2 AGCAGTAAGGAGAT 15

RESULT 937
AAZ97659
ID AAZ97659 standard; DNA; 16 BP.

Best Local Similarity 85.7%; Pred. No. 5.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTG 1734
DB 3 GGAGTTGGAGTTG 16

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 5.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTG 1734
DB 3 GGAGTTGGAGTTG 16

RESULT 938
AAS06834/c
ID AAS06834 standard; DNA; 16 BP.
XX
AC AAS06834;
XX
DT 12-SEP-2001 (first entry)
XX
DE SNP containing protein kinase DNA sequence #3.
XX
KW Human; protein kinase; PTK; STK; cancer; cardiovascular disease; SNP;
```

```
XX AAZ97659;
AC
XX 15-SEP-2003 (revised)
DT 26-APR-2000 (first entry)
XX
DE HIV-1 protease gene probe SEQ ID NO:149.
XX
KW Human immunodeficiency virus; HIV; protease; probe; detection;
KW drug selected mutation; hybridisation; genotyping; infection;
KW drug resistance; ss.
XX
OS Human immunodeficiency virus 1.
XX
PN WO9967428-A2.
XX
PD 29-DEC-1999.
XX
PF 22-JUN-1999; 99WO-EF004317.
XX
PR 24-JUN-1998; 98EP-00870143.
XX
PA (INNO-) INNOGENETICS NV.
XX
PI Stuyver L;
XX
DR WPI; 2000-147219/13.
XX
PT Detection of drug-selected mutations in the HIV protease gene used to
PT treat HIV infections.
XX
PS Claim 3; Page 35; 76pp; English.
XX
CC The present invention describes the detection of drug-selected mutations
CC in the HIV protease gene. The method of detection allows the simultaneous
CC characterisation of a range of codons involved in drug resistance using
CC sets of probes optimised to function together in a reverse-hybridisation
CC assay. AAZ97517 to AAZ97997 represent specifically claimed probes for use
CC in the assay, and AAZ97479 to AAZ97501 represent specifically claimed HIV
CC protease gene polymorphic nucleotide sequences. AAZ97502 to AAZ97515, and
CC AAZ98004 to AAZ98007, represent PCR primers for the HIV protease gene,
CC and AAZ97516 represents an HIV protease probe used in an example from the
CC present invention. The method, probes and primers can be used for the
CC detection of drug-selected mutations in the HIV protease gene. The method
CC allows the simultaneous characterisation of a range of codons involved in
CC drug resistance. The method may also be used for HIV protease genotyping
CC assays. The probes are able to discriminate between wild type and mutated
CC protease sequences. The method allows rapid and reliable detection of
CC drug-selected mutation in HIV. (Updated on 15-SEP-2003 to standardise OS
CC field)
XX
SQ Sequence 16 BP; 2 A; 0 C; 10 G; 4 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 5.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTG 1734
DB 3 GGAGTTGGAGTTG 16

RESULT 938
AAS06834/c
ID AAS06834 standard; DNA; 16 BP.
XX
AC AAS06834;
XX
DT 12-SEP-2001 (first entry)
XX
DE SNP containing protein kinase DNA sequence #3.
XX
KW Human; protein kinase; PTK; STK; cancer; cardiovascular disease; SNP;
```

KW metabolic disorder; immune related disease; neurological disorder;
 KW neurodegenerative disorder; inflammatory disorder; infectious disease;
 KW reproductive disorder; gene therapy; single nucleotide polymorphism; ds.
 XX
 OS Homo sapiens.
 XX WO200138503-A2.
 XX 31-MAY-2001.
 XX 22-NOV-2000; 2000WO-US032085.
 PF 24-NOV-1999; 99US-0167482P.
 XX (SUCE-) SUGEN INC.
 PA Plowman GD, Whyte D, Manning G, Sudarsanam S, Martinez R;
 PI Flanagan P, Clary D;
 XX WPI; 2001-343950/36.
 DR Nucleic acids encoding human kinase polypeptides, useful for preventing
 PT diagnosing and/or treating e.g. cancer, immune, cardiovascular and
 PT neuronal-associated diseases, and microbial infections.
 PT
 XX Example 8B; Page 329; 433pp; English.
 PS
 XX AAS06832-AAS06897 represent part of a polynucleotide sequence encoding
 CC for novel human protein kinases where a single nucleotide polymorphism
 CC (SNP) has been identified. The SNP occurs at the last position of the
 CC present sequence. The sequences are described relating to the invention
 CC of novel human protein kinases #1-57 (AAU03501-AAU03557). The novel
 CC protein kinases have been identified as members of the tyrosine or
 CC serine/threonine kinase (PTK and STK) families. The polynucleotides
 CC encoding protein kinases and the polypeptides may be used in the
 CC prevention, diagnosis and treatment of diseases associated with
 CC inappropriate kinase expression. For example, they may be used to treat
 CC cancers (especially cancers of haematopoietic origin), cardiovascular
 CC disease (e.g. atherosclerosis), metabolic disorders (e.g. diabetes),
 CC immune related diseases (e.g. rheumatoid arthritis), neurological
 CC disorders (e.g. schizophrenia), neurodegenerative disorders (e.g.
 CC Parkinson's disease), inflammatory disorders (e.g. asthma), infectious
 CC disease (e.g. HIV) and reproductive disorders (e.g. infertility).
 CC Additionally, polynucleotides encoding protein kinases may be used for
 CC gene therapy and as DNA probes in diagnostic assays. The protein kinase
 CC polypeptides may be used as antigens in the production of antibodies
 CC against the protein kinases and in assays to identify modulators of
 CC protein kinase expression and activity
 XX
 SQ Sequence 16 BP; 5 A; 4 C; 5 G; 1 T; 0 U; 1 Other;

XX Homo sapiens.
 OS Synthetic.
 XX WO200198537-A2.
 XX 27-DEC-2001.
 XX 15-JUN-2001; 2001WO-US019401.
 PF 17-JUN-2000; 2000US-0212308P.
 PR 15-JUN-2001; 2001US-00212308.
 XX (THIR-) THIRD WAVE TECHNOLOGIES INC.
 XX Lyamichev V, Allawi H, Dong F, Neri BP, Vener IT;
 PI WPI; 2002-049698/06.
 XX Identifying oligonucleotides hybridizing to nucleic acids containing
 PT secondary structure, useful in clinical diagnosis, comprises identifying
 PT primers that interact with the target to form an extension product under
 PT amplification conditions.
 XX Claim 48; Fig 78; 409pp; English.
 PS
 XX The present invention describes a method for identifying oligonucleotides
 CC with desired hybridisation properties to nucleic acid targets containing
 CC secondary structure. The method comprises amplifying a target nucleic
 CC acid having at least one accessible and one inaccessible site. Primers
 CC that form an extension product are identified as the oligonucleotides
 CC which can interact with the folded target nucleic acid. Oligonucleotides
 CC from the present invention can be used in novel detection methods for
 CC clinical diagnostic purposes, including the detection and identification
 CC of pathogenic organisms (e.g. HIV). The method allows the ability to
 CC rapidly analyse nucleic acid structures. ABL46034 to ABL46367 represent
 CC sequences used in the exemplification of the present invention
 XX
 SQ Sequence 16 BP; 6 A; 1 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 7.8%; Score 10.8; DB 1; Length 16;
 Best Local Similarity 75.0%; Pred. No. 5.8e+02;
 Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 QY 1680 TGGTGTCTCTCCAGC 1695
 : |||||
 Db 16 YGTGCTCTCTCCAGC 1
 RESULT 939
 ABL46301/C
 ID ABL46301 standard; DNA; 16 BP.
 XX ABL46301;
 AC
 XX 26-APR-2002 (first entry)
 DT Human ribosomal protein L5 oligonucleotide SEQ ID NO:268.
 XX Nucleic acid accessible hybridisation site; detection; hybridisation;
 KW characterisation; identification; nucleic acid structure; diagnosis;
 KW PCR primer; probe; ss.
 XX

Query Match 7.8%; Score 10.8; DB 1; Length 16;
 Best Local Similarity 85.7%; Pred. No. 5.8e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1685 TCTCTCCAGCGTG 1698
 : |||||
 Db 16 TCTCTCCATCATG 3
 RESULT 940
 AAD37972/C
 ID AAD37972 standard; RNA; 16 BP.
 XX AAD37972;
 AC
 XX 10-SEP-2002 (first entry)
 DT RNA binding peptide RNA binding domain #5 specific RNA tag #1.
 XX RNA binding protein; mRNA quantification; gene expression; RNA tag; ss.
 XX Unidentified.
 OS
 XX WO200227031-A2.
 XX 04-APR-2002.
 PD 28-SEP-2001; 2001WO-US030438.
 PF 28-SEP-2000; 2000US-0236407P.
 PR (CELL-) CELLOMICS INC.
 XX

PI Busa WB;
 XX WPI; 2002-454466/48.
 XX
 XX Quantifying target gene expression in living cells that possess a target
 PT gene of interest tagged with the binding site for an RNA binding protein
 PT and fluorescently labeled RNA binding polypeptide including an RNA
 PT binding domain.
 XX
 XX Claim 27; Page 40; 51pp; English.
 XX
 XX The present invention relates to a method of quantifying the expression
 CC of target genes in living cells. The method involves providing cells that
 CC possess a target gene of interest which has been tagged with the binding
 CC site for an RNA binding protein and a fluorescently labelled RNA binding
 CC polypeptide that includes an RNA binding domain and calculating the
 CC quantity of target gene expression in the cells using fluorescence
 CC signalling techniques. The method is useful for quantifying expression of
 CC one or more target genes in living cells which comprise two or more
 CC distinct populations of cells. It is used to quantitate the expression of
 CC any target gene, including expression of protein-encoding messenger RNA
 CC genes, ribosomal RNA encoding genes and transfer RNA encoding genes so
 CC long as the RNA expression product from the target gene possesses a
 CC sequence or structure (the RNA tag) that is bound specifically by the RNA
 CC binding polypeptide being used. The present sequence is RNA binding
 CC peptide RNA binding domain #3 specific RNA tag
 XX
 SQ Sequence 16 BP; 3 A; 5 C; 5 G; 0 T; 3 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 16;
 Best Local Similarity 85.7%; Pred. No. 5.8e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1661 AGGCTCACAGTGG 1674
 Db 16 AGGCTCAGATCTGG 3
 RESULT 941
 AAA92609/C
 ID AAA92609 standard; DNA; 18 BP.
 XX
 AC AAA92609;
 XX
 DT 04-JAN-2001 (first entry)
 XX
 DE Antisense oligonucleotide ISIS# 30428.
 XX
 KW Human; SRA; steroid receptor RNA activator; cytostatic; antiinflammatory;
 KW SRA inhibitor; cancer; infection; antisense oligonucleotide; ss.
 XX
 OS Synthetic.
 XX
 PN US6107092-A.
 XX
 PD 22-AUG-2000.
 XX
 PF 29-MAR-1999; 99US-00280409.
 XX
 PR 29-MAR-1999; 99US-00280409.
 XX
 PA (ISIS-) ISIS PHARM INC.
 PA (BAYU) BAYLOR COLLEGE MEDICINE.
 XX
 PI Cowser LM, Bennett CF, O'malley BW;
 XX WPI; 2000-586211/55.
 DR
 XX Antisense compounds targeted to steroid receptor RNA activator useful for
 PT diagnosis, prophylaxis and treatment of diseases associated with the
 PT steroid activator, such as infection, inflammation or tumor formation.
 XX
 PS Claim 3; Col 42; 47pp; English.

XX The present sequence is one of a large number of antisense
 CC oligonucleotides which is directed against one of four human steroid
 CC receptor RNA activator (SRA) nucleic acid sequences. Two series of
 CC antisense oligonucleotides were synthesised. The first series comprised 8
 CC -30 oligodeoxynucleotides with a phosphorothioate backbone. The second
 CC series comprised chimeric oligonucleotides composed of a central gap
 CC region, consisting of ten 2'-deoxynucleotides, which was flanked on both
 CC sides by four-nucleotide wings. The wings were composed of 2'-
 CC methoxyethyl (2'-MOE) nucleotides. Both series contained the same
 CC nucleotide sequences. The antisense compounds are useful for research,
 CC diagnosis, treatment and prophylaxis to prevent or delay infection,
 CC inflammation or tumour formation. Therapeutically the oligonucleotides
 CC are highly safe and are effectively administered to humans
 XX
 SQ Sequence 18 BP; 3 A; 3 C; 7 G; 5 T; 0 U; 0 Other;
 Query Match 7.8%; Score 10.8; DB 1; Length 18;
 Best Local Similarity 85.7%; Pred. No. 6.7e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1658 ACCAGGCTTCAGC 1671
 Db 15 ACCAGGCTTCAGC 2
 RESULT 942
 ABN81420/C
 ID ABN81420 standard; DNA; 15 BP.
 XX
 AC ABN81420;
 XX
 DT 16-AUG-2002 (first entry)
 XX
 DE Human HTATIP allele specific probe SEQ ID NO 21.
 XX
 KW Human; HIV-1 Tat interactive protein; HTATIP; haplotyping; genotyping;
 KW transgenic; probe; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200229089-A2.
 XX
 PD 11-APR-2002.
 XX
 PF 05-OCT-2001; 2001WO-US031593.
 XX
 PR 06-OCT-2000; 2000US-0238655P.
 XX
 PA (GENA-) GENAISSANCE PHARM INC.
 XX
 PI Armstrong B, Bentivegna SC, Choi JY, Gilson CR, Parks KE;
 PI Sausker EA;
 XX WPI; 2002-330173/36.
 DR
 XX New HIV-1 tat interactive protein, 60 kDa (HTATIP) gene polymorphic
 PT variants, for studying the expression and function of HTATIP and
 PT screening candidate drugs for treating familial glucocorticoid deficiency
 PT and cancer.
 XX
 PS Claim 14; Page 13; 89pp; English.
 XX
 CC The invention relates to novel genetic variants of the HIV-1 Tat
 CC interactive protein, 60 kDa (HTATIP) gene. The polymorphic variants are
 CC useful in studying the expression and function of HTATIP, in expressing
 CC HTATIP protein for use in screening for candidate drugs to treat diseases
 CC related to HTATIP activity, in studying the effect of the variation on
 CC the biological activity of HTATIP and the binding affinity of candidate
 CC drugs targeting HTATIP for the treatment of disorders. Haplotyping
 CC methods are useful in validating HTATIP as a candidate target for
 CC treating a specific condition or disease predicted to be associated with
 CC HTATIP activity or in the design of clinical trials of candidate drugs

CC for treating a specific condition or disease associated with HTATIP
 CC activity. Transgenic animals are useful for studying expression of the
 CC HTATIP isogenes in vivo, for in vivo screening and testing of drugs
 CC targeted against HTATIP protein and for testing the efficacy of
 CC therapeutic agents and compounds for disorders. The present sequence is
 CC that of a HTATIP allele specific oligonucleotide probe of the invention
 XX
 SQ Sequence 15 BP; 1 A; 4 C; 5 G; 4 T; 0 U; 1 Other;

Query Match 7.6%; Score 10.6; DB 1; Length 15;
 Best Local Similarity 90.9%; Pred. No. 5.9e+02;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1655 AGCACCAGGCT 1665
 Db 11 AGCCACAGGCT 1

RESULT 943
 ABN80551/C
 ID ABN80551 standard; DNA; 15 BP.

XX AC ABN80551;
 XX DT 19-JUL-2002 (first entry)
 XX DE Human P450(cytochrome) oxidoreductase allele specific probe #17.
 XX KW Human; P450(cytochrome) oxidoreductase; POR; cancer; haplotype; SNP;
 XX KW single nucleotide polymorphism; flavoprotein; enzyme; probe; ss.

XX OS Homo sapiens.
 XX PN WO200226768-A2.
 XX PD 04-APR-2002.
 XX PF 01-OCT-2001; 2001WO-US030877.
 XX PR 29-SEP-2000; 2000US-0236449P.
 XX PA (GENA-) GENAISSANCE PHARM INC.

XX PI Kazemi A, Kliem SE, Lanz EM, Messer C, Tanguay DA;
 XX WPI; 2002-394236/42.
 XX DR New genetic variants comprising haplotypes of the P450 (cytochrome)
 XX PT oxidoreductase (POR) isogene, useful in improving the efficiency of drug
 XX PT screening protocols for compounds targeting POR.

XX PS Claim 14; Page 14; 141pp; English.
 XX CC The present invention provides the protein, gene and cDNA sequences of
 CC human P450(cytochrome) oxidoreductase, POR, and single nucleotide
 CC polymorphisms (SNPs) identified therein. The sequences can be used to
 CC haplotype the POR gene of an individual, and to establish whether POR is
 CC a suitable target for drugs to treat cancer and disorders associated with
 CC impaired protein synthesis in cells. The present sequence is an allele
 CC specific probe for the coding sequences of the invention
 XX
 SQ Sequence 15 BP; 3 A; 5 C; 5 G; 1 T; 0 U; 1 Other;

Query Match 7.6%; Score 10.6; DB 1; Length 15;
 Best Local Similarity 90.9%; Pred. No. 5.9e+02;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1688 CCTCCAGGCTG 1698
 Db 15 CCTCCAGGCTG 5

RESULT 944

ACD55655
 ID ACD55655 standard; RNA; 17 BP.
 XX AC ACD55655;
 XX DT 23-SEP-2003 (first entry)
 XX DE HBV amberyne substrate sequence #165.

XX KW Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
 KW RNA stability; RNA expression; RNA synthesis; antisense;
 KW enzymatic nucleic acid; hammerhead ribozyme; DNzyme; inozyme; zinzyme;
 KW amberyne; G-cleaver ribozyme; decoy molecule; aptamer;
 KW HBV reverse transcriptase; Enhancer I region; viral replication;
 KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
 KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
 KW virucide; antiinflammatory; substrate; ss.

XX OS Hepatitis B virus.

XX PN WO200281494-A1.

XX PD 17-OCT-2002.

XX PF 26-MAR-2002; 2002WO-US009197.

XX PR 26-MAR-2001; 2001US-00817879.
 PR 08-JUN-2001; 2001US-00877478.
 PR 08-JUN-2001; 2001US-0295876P.
 PR 24-OCT-2001; 2001US-0335059P.
 PR 05-DEC-2001; 2001US-0337055P.

XX (RIBO-) RIBOZYME PHARM INC.
 PA (BLAT/) BLATT L.
 PA (MACE/) MACEJAK D.
 PA (MCSW/) MCSWIGGEN J.
 PA (MORR/) MORRISSEY D.
 PA (PAVC/) PAVCO P.
 PA (LEEP/) LEE P.
 PA (DRAP/) DRAPER K.
 PA (ROBE/) ROBERTS E.

XX Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
 PI Draper K, Roberts E;
 PI WPI; 2003-229207/22.

XX Novel compound useful for treating cirrhosis, liver failure,
 PT hepatocellular carcinoma, or condition associated with hepatitis C virus
 PT infection.
 XX

PS Example 1; Page 206; 387pp; English.

XX The present invention relates to nucleic acid molecules which modulate
 CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
 CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
 CC and enzymatic nucleic acids such as hammerhead ribozymes, DNzymes,
 CC inozymes, zinzymes, amberyne, and G-cleaver ribozymes. Also disclosed
 CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
 CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
 CC as oligonucleotides that specifically bind the Enhancer I region of HBV
 CC DNA. The nucleic acids may be used to modulate the expression of HBV
 CC genes and HBV viral replication. Also disclosed is a method for screening
 CC compounds and/or potential therapies directed against HBV, and compounds
 CC that modulate the expression and/or replication of HCV. The compounds and
 CC methods of the invention are useful for the treatment of degenerative and
 CC disease states related to HBV and HCV infection, replication and gene
 CC expression such as cirrhosis, liver failure, and hepatocellular
 CC carcinoma. The present sequence represents a substrate for one of the HBV
 CC ribozyme, inozyme, G-cleaver, zinzyme, DNzyme or amberyne sequences
 CC disclosed in the present invention

XX Sequence 17 BP; 3 A; 0 C; 11 G; 0 T; 3 U; 0 Other;

CC present sequence is that of a scanning oligonucleotide useful in examples
 CC of the invention. Note: The present sequence did not form part of the
 CC printed specification, but is based on sequence information supplied to
 CC Derwent by the European Patent Office

XX SQ Sequence 17 BP; 4 A; 2 C; 8 G; 3 T; 0 U; 0 Other;

Query Match 7.6%; Score 10.6; DB 1; Length 17;
 Best Local Similarity 76.5%; Pred. No. 6.8e+02;
 Matches 13; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 1732 TTGGCTCCCAACTCCTC 1748

DB 17 TTGGACCCCATCTCCAC 1

RESULT 947

AAV28522

ID AAV28522 standard; DNA; 12 BP.

XX AC AAV28522;

XX DT 28-AUG-1998 (first entry)

XX DE Blackcurrant reversion virus RNA2 3' proximal fragment primer 2.

XX KW Blackcurrant reversion disease; BRV; RNA2; diagnosis; Ribes; PCR; primer;

XX KW ss.

XX OS Synthetic.

XX OS Blackcurrant reversion virus.

XX PN WO9810100-A1.

XX PD 12-MAR-1998.

XX PF 01-SEP-1997; 97WO-FI000507.

XX PR 05-SEP-1996; 96FI-00003474.

XX PA (ABCA-) ABOATECH OY AB.

XX PI Lehto K, Lemmetty A, Latvala S, Susi P;

XX DR WPI; 1998-193642/17.

XX PT Diagnosing blackcurrant reversion disease in plants e.g. blackcurrant -

XX PT using reverse transcriptase-PCR with primers amplifying cDNA fragment

XX PT complementary to fragment of new blackcurrant reversion virus.

XX PS Claim 13; Page 29; 38pp; English.

XX CC Primer 2 corresponds to nucleotides 199-210 upstream of the poly-A tail

XX CC of a 230 bp fraction (see AAV28520) of a blackcurrant reversion virus

XX CC (BRV) nucleotide sequence, as converted to DNA. It is used with primer 1

XX CC (see AAV28521) to amplify a cDNA fragment complementary to a 3' proximal

XX CC 210 bp fragment of BRV RNA. A claimed method for diagnosing blackcurrant

XX CC reversion disease in a plant by detecting BRV involves: providing a

XX CC sample from the plant to be tested; performing a reverse transcription

XX CC reaction to prepare single stranded cDNA from viral RNA in the sample;

XX CC amplifying the cDNA by PCR; and detecting the amplified product. A

XX CC claimed diagnostic test kit includes a primer pair designed to amplify a

XX CC cDNA fragment complementary to the 3' proximal 210 bp fragment of viral

XX CC RNA. The method allows rapid, reliable diagnosis of blackcurrant

XX CC reversion disease in plants, especially blackcurrant. The viral sequence

XX CC detected by primer pair 1.2 is conserved in isolates from widely

XX CC different geographic locations

XX SQ Sequence 12 BP; 0 A; 4 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.9e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1677 CCTGTGTCTC 1688

DB 1 CGCTGTGTCTC 12

RESULT 948

ABH71060

ID ABH71060 standard; DNA; 12 BP.

XX AC ABH71060;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide prime: SEQ ID NO 271037 for detecting SNP TSC0002376.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

XX PT designed to detect single-nucleotide polymorphisms and cytosine

XX PT methylation status.

XX PS Claim 1; SEQ ID NO 271037; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX CC range of diseases including immune system, gastrointestinal, respiratory,

XX CC central nervous system, cardiovascular and metabolic disorders. The

XX CC oligomers are also used for detecting cell type differentiation. ABC00010

XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073

XX CC represent the oligomers described in the invention. NOTE: the sequence

XX CC data for this patent did not form part of the printed specification, but

XX CC was obtained in electronic format from WIPO at

XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 1 A; 0 C; 6 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.9e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1706 TTGGGTAGGAG 1717

DB 1 TTGGGTAGGAG 12

RESULT 949

ABH84710

ID ABH84710 standard; DNA; 12 BP.

XX AC ABH84710;

XX DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 284703 for detecting SNP TSC0011953.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB000713.
PP
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 284703; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 0 C; 7 G; 4 T; 0 U; 0 Other;
SQ
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 0 C; 7 G; 4 T; 0 U; 0 Other;
SQ
XX Query Match 7.5%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 4.9e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1631 GGATGGGCTTG 1642
DB 1 GGATGGGCTTG 12
XX
XX RESULT 950
XX ABI13903
ID ABI13903 standard; DNA; 12 BP.
XX
XX AC
XX ABI13903;
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide primer SEQ ID NO 313876 for detecting SNP TSC0026006.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX

PF 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 313876; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
SQ
XX Query Match 7.5%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 4.9e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1702 GAAGTTGGGTTA 1713
DB 1 GAAGTTGGGATA 12
XX
XX RESULT 951
XX ABH71789/c
ID ABH71789 standard; DNA; 12 BP.
XX
XX AC
XX ABH71789;
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide primer SEQ ID NO 271766 for detecting SNP TSC0002608.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PP
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 12 BP; 2 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
	Query Match 7.5%; Score 10.4; DB 1; Length 12;
	Best Local Similarity 9.7%; Pred.No. 4.9e+02;
	Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	1698 GTTGGAGTTGG 1709
DB	
	1 GTTGGAAGTTGG 12
RESULT 953	
ABI24271/c	
ID	ABI24271 standard; DNA, 12 BP.
XX	
AC	ABI24271;
XX	
XX	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide primer SEQ ID NO 324244 for detecting SNP TSC0031898.
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IBCO0713.
XX	
PR	07-APR-2000; 2000DE-01C19173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 324244; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABCO0010
CC	-ABC99989, ABFO0010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 12 BP; 2 A; 5 C; 1 G; 4 T; 0 U; 0 Other;
	Query Match 7.5%; Score 10.4; DB 1; Length 12;
	Best Local Similarity 91.7%; Pred.No. 4.9e+02;
	Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	1714 GGAGTAGCGAGA 1725
DB	
	12 GGATTACGAGA 1


```

Query Match          7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1696 GTGGTGAAGTT 1707
Db 1 GAGGTGAAGTT 12

RESULT 959
ABI18149
ID ABI18149 standard; DNA; 12 BP.
XX
AC ABI18149;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 318122 for detecting SNP TSC0028456.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PP 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 318122; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 2 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
XX
Query Match          7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1709 GGTAGGAGTAC 1720
Db 1 GGTAGGAGTTC 12

RESULT 960
ABH72659/c
ID ABH72659 standard; DNA; 12 BP.
XX
Query Match          7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1706 TTGGTTAGGAG 1717
Db 12 TTGGTTAGGAG 1

RESULT 961
ABI02394
ID ABI02394 standard; DNA; 12 BP.
XX
AC ABI02394;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 302367 for detecting SNP TSC0019966.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1704 AGTGGGTTAGG 1715
| | | | | | | | | |
Db 1 ATTTGGGTTAGG 12

RESULT 964
ABI16174
ID ABI16174 standard; DNA; 12 BP.
XX AC
XX ABI16174;
XX AC
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 316147 for detecting SNP TSC0027307.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PN 18-OCT-2001.
XX PD
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 316147; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1703 AAGTTGGGTTAG 1714

Db 1 AAGTTAGGTTAG 12
| | | | | | | | | |
RESULT 965
ABI1618
ID ABI1618 standard; DNA; 12 BP.
XX AC
XX ABI1618;
XX AC
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 341591 for detecting SNP TSC0042119.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PN 18-OCT-2001.
XX PD
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 341591; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1706 TTGGTTAGGAG 1717
| | | | | | | | | |
Db 1 TTGGTTAGGAG 12

RESULT 966
ABI46964/C
ID ABI46964 standard; DNA; 12 BP.
XX AC
XX ABI46964;
XX AC
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 345937 for detecting SNP TSC0044839.

```
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 346937; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 8 C; 0 G; 1 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1698 GGTGAGGTTGG 1709
Db |||||
12 GGTGAGGTTGG 1
XX
RESULT 967
ABI18906/c
ID ABI18906 standard; DNA; 12 BP.
XX
XX AC ABI18906;
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide primer SEQ ID NO 318879 for detecting SNP TSC0028931.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
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PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 318879; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 7 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1704 AGTGGGTTAGG 1715
Db |||||
12 AGTGGGTTAGG 1
XX
RESULT 968
ABI08058/c
ID ABI08058 standard; DNA; 12 BP.
XX
XX AC ABI08058;
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide primer SEQ ID NO 308031 for detecting SNP TSC0022848.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
DE Oligonucleotide primer SEQ ID NO 318879 for detecting SNP TSC0028931.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 308031; 29pp + Sequence Listing; German.
XX
```

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 4 C; 1 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1710 GTTAGGAGTACG 1721
Db 12 GTTAGGATTACG 1
|||||

RESULT 969
ABI46421/c
ID ABI46421 standard; DNA; 12 BP.
XX AC ABI46421;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 346394 for detecting SNP TSC0044563.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 346394; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 5 A; 6 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1696 GTGTGGAGATT 1707
Db 12 GTGTGGTAGTT 1
|||||

RESULT 970
ABI50037/c
ID ABI50037 standard; DNA; 12 BP.
XX AC ABI50037;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 350010 for detecting SNP TSC0046455.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 350010; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATT 1733
Db 12 GAGATGGAGTTT 1
|||||

RESULT 971

XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 330445; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1721 GGAGATGGAGAT 1732
Db 1 GGAGATGGAGT 12
RESULT 974
ABI07173
ID ABI07173 standard; DNA; 12 BP.
XX
AC ABI07173;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 307146 for detecting SNP TSC0022360.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 307146; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 9 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1739 CCAACTCTCTCC 1750
Db 1 CCAACCTCTCC 12
RESULT 975
ABI13408/c
ID ABI13408 standard; DNA; 12 BP.
XX
AC ABI13408;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 313381 for detecting SNP TSC0025710.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 313381; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1737 TCCGAACCTCCTC 1748
 DB 12 TTCCAACTCCTC 1

RESULT 976
 ABH92015/c
 ID ABH92015 standard; DNA; 12 BP.
 AC ABH92015;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 292008 for detecting SNP TSC0015047.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 292008; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 3 A; 0 C; 8 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATC 1754
 DB 12 CCCCTCCCTATC 1

RESULT 977
 AB118788/c
 ID AB118788 standard; DNA; 12 BP.
 XX
 AC AB118788;
 XX

DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 318761 for detecting SNP TSC0028855.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 318761; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 4 A; 7 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1697 TGGTGGAGTTG 1708
 DB 12 TGGTGGAGTTG 1

RESULT 978
 ABH94245
 ID ABH94245 standard; DNA; 12 BP.
 XX
 AC ABH94245;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 294238 for detecting SNP TSC0016014.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX

XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 294238; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
SQ

Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1723 AGATGGAGATTG 1734
Db 1 AGTGGAGATTG 12
|||||
RESULT 979
ABH73848
ID ABH73848 standard; DNA; 12 BP.
XX
AC ABH73848;
XX
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide primer SEQ ID NO 273833 for detecting SNP TSC0003326.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

PT methylation status.
XX
XX Claim 1; SEQ ID NO 273833; 29pp + Sequence Listing; German.
FS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 1 C; 4 G; 4 T; 0 U; 0 Other;
SQ

Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1711 TTAGGAGTACGG 1722
Db 1 TTAGGATACGG 12
|||||
RESULT 980
ABI03256
ID ABI03256 standard; DNA; 12 BP.
XX
AC ABI03256;
XX
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide primer SEQ ID NO 303229 for detecting SNP TSC0020398.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 303229; 29pp + Sequence Listing; German.
FS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 1 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATC 1754

Db 1 CTCCTCCCTATC 12

RESULT 981

ABI11679/C

ID ABI11679 standard; DNA; 12 BP.

XX AC

XX AC ABI11679;

XX DT 22-FEB-2002 (first entry)

XX OLigonucleotide primer SEQ ID NO 311652 for detecting SNP TSC0024599.

XX SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

XX OS

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 311652; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 5 A; 6 C; 0 G; 1 T; 0 U; 0 Other;

XX Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1632 GATGGGCTTGT 1643

Db 12 GATGGGCTTGT 1

RESULT 982

ABI66422/C

ID ABI66422 standard; DNA; 12 BP.

XX AC

XX AC ABI66422;

XX DT 22-FEB-2002 (first entry)

XX OLigonucleotide primer SEQ ID NO 366395 for detecting SNP TSC0055720.

XX SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

XX OS

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 366395; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

XX Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1737 TCCCAACTCCTC 1748

Db 12 TCCCAACTCCTC 1

RESULT 983

ABI18936

ID ABI18936 standard; DNA; 12 BP.

XX AC

XX AC ABI18936;

XX DT 22-FEB-2002 (first entry)

XX OLigonucleotide primer SEQ ID NO 318909 for detecting SNP TSC0028948.

XX SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 318909; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1741 AACTCCTCCCTA 1752
Db 1 AACTCCTCCCTA 12
RESULT 984
ABI25117/C
ID ABI25117 standard; DNA; 12 BP.
XX AC ABI25117;
XX DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 325090 for detecting SNP TSC0032385.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX

PA (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 325090; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 1 C; 7 G; 2 T; 0 U; 0 Other;
SQ
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1734 GCCTCCCACTC 1745
Db 12 GCCTCCCACTC 1
RESULT 985
ABI00532/C
ID ABI00532 standard; DNA; 12 BP.
XX AC ABI00532;
XX DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 300505 for detecting SNP TSC0019067.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 300505; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1747 TCCTATCCTAA 1758
DB 12 TCCTATCCTAA 1

RESULT 986
ABI03600/c
ID ABI03600 standard; DNA; 12 BP.
XX
AC ABI03600;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 303573 for detecting SNP TSC0020536.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 303573; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCTATCCTAA 1759
DB 12 CCTATCCTAA 1

RESULT 987
ABI06503
ID ABI06503 standard; DNA; 12 BP.
XX
AC ABI06503;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 306476 for detecting SNP TSC0022038.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 306476; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 6 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1737 TCCCAACTCCTC 1748
DB 1 TCCCAACTCCTC 12

RESULT 988
ABH85010
ID ABH85010 standard; DNA; 12 BP.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PS Claim 1; SEQ ID NO 351439; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 4 A; 7 C; 0 G; 1 T; 0 U; 0 Other;
SQ Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1707 TCGGTTAGGAGT 1718
Db 12 TGGGTTAGGGGT 1
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RESULT 991
ABI68217
ID ABI68217 standard; DNA; 12 BP.
XX AC ABI68217;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 368190 for detecting SNP TSC0056843.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PS Claim 1; SEQ ID NO 368190; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
SQ Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1723 AGATCGAGATTG 1734
Db 1 AGATCGAGATTG 12
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RESULT 992
ABI69091
ID ABI69091 standard; DNA; 12 BP.
XX AC ABI69091;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 369064 for detecting SNP TSC0057436.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PS Claim 1; SEQ ID NO 369064; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 2 A; 0 C; 8 G; 2 T; 0 U; 0 Other;
SQ Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1699 GTGGAAGTTGGG 1710
 Db 1 GGGGAAGTTGGG 12
 RESULT 993
 ABH95646
 ID ABH95646 standard; DNA; 12 BP.
 AC ABH95646;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 295639 for detecting SNP TSC0016665.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PF (EPIG-) EPIGENOMICS AG.
 PR Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 295639; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1707 TGGGTAGGAGT 1718
 Db 1 TAGGTAGGAGT 12
 RESULT 994
 ABI00799/c
 ID ABI00799 standard; DNA; 12 BP.
 XX
 AC ABI00799;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 316457 for detecting SNP TSC0027459.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.

DE Oligonucleotide primer SEQ ID NO 300772 for detecting SNP TSC0019180.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PF (EPIG-) EPIGENOMICS AG.
 PR Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 300772; 29pp + Sequence Listing; German.
 PS This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1748 CCTATCCTAAA 1759
 Db 12 CCTTACCTAAA 1
 RESULT 995
 ABI16484
 ID ABI16484 standard; DNA; 12 BP.
 XX
 AC ABI16484;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 316457 for detecting SNP TSC0027459.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 316457; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 4 A; 5 C; 1 G; 2 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1756 TAAAGGCCCACT 1767
 Db 1 TAAAGGCCCACT 12
 RESULT 996
 ABH91477
 ID ABH91477 standard; DNA; 12 BP.
 AC ABH91477;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 291470 for detecting SNP TSC0014803.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX

PS Claim 1; SEQ ID NO 291470; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1716 AGTAGGGAGATG 1727
 Db 1 AGTAGGGAGATG 12
 RESULT 997
 ABI42917/c
 ID ABI42917 standard; DNA; 12 BP.
 AC ABI42917;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 342890 for detecting SNP TSC0042764.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 342890; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at

```
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 5 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1746 CTCCTATACCTA 1752
Db 12 CTCCTATACCTA 1
|||||

RESULT 998
ABI43245
ID ABI43245 standard; DNA; 12 BP.
XX
AC ABI43245;
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 343218 for detecting SNP TSC0042953.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 343218; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 7 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1701 GGAAGTTGGGTT 1712
Db 1 GGAAGTTGGGTT 12
|||||

RESULT 999
ABI68275
ID ABI68275 standard; DNA; 12 BP.
XX
AC ABI68275;
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 368248 for detecting SNP TSC0056884.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 368248; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1741 AACTCCTACCTA 1752
Db 1 AACTCCTACCTA 12
|||||

RESULT 1000
ABI80271
ID ABI80271 standard; DNA; 12 BP.
XX
AC ABI80271;
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 380244 for detecting SNP TSC0001268.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
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XX OS Homo sapiens.
XX EN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 366722; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1737 TCCCAACTCCTC 1748
Db 1 TCCCAACTACTC 12
RESULT 1001
ABI66749/c
ID ABI66749 standard; DNA; 12 BP.
XX AC ABI66749;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 366722 for detecting SNP TSC0055937.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 366722; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1737 TCCCAACTCCTC 1748
Db 1 TCCCAACTACTC 12
RESULT 1002
ABH98561
ID ABH98561 standard; DNA; 12 BP.
XX AC ABH98561;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 298554 for detecting SNP TSC0018170.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 298554; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
```

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1699 GTGGAAGTTGGG 1710
Db 1 GAGGAAGTTGGG 12
|||||

RESULT 1003
ABH98748/c
ID ABH98748 standard; DNA; 12 BP.
XX
AC ABH98748;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 298741 for detecting SNP TSC0018259.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX

Qy 06-APR-2001; 2001WO-IB000713.
XX
PF 07-APR-2000; 2000DE-01019173.
XX

PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

PS Claim 1; SEQ ID NO 298741; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1736 CTCCCAACCTCCT 1747
Db 12 CTCCCAACCTACT 1
|||||

RESULT 1004
ABH76068
ID ABH76068 standard; DNA; 12 BP.
XX
AC ABH76068;
XX

Qy 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 276061 for detecting SNP TSC0004079.
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX

Qy 06-APR-2001; 2001WO-IB000713.
XX
PF 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

PS Claim 1; SEQ ID NO 276061; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1722 GAGATGGAGATT 1733
Db 1 GAGATGGAGTTT 12
|||||

RESULT 1005
ABI06534
ID ABI06534 standard; DNA; 12 BP.
XX
AC ABI06534;
XX

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 306507 for detecting SNP TSC0022057.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

XX PT designed to detect single-nucleotide polymorphisms and cytosine

XX PT methylation status.

XX PS Claim 1; SEQ ID NO 306507; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX CC range of diseases including immune system, gastrointestinal, respiratory,

XX CC central nervous system, cardiovascular and metabolic disorders. The

XX CC oligomers are also used for detecting cell type differentiation. ABC00010

XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

XX CC represent the oligomers described in the invention. NOTE: The sequence

XX CC data for this patent did not form part of the printed specification, but

XX CC was obtained in electronic format from WIPO at

XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.9e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1698 GGTGGAAGTTGG 1709

DB 1 GGTGGAATTGG 12

RESULT 1006

ABH91224/c

ID ABH91224 standard; DNA; 12 BP.

XX AC ABH91224;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 291217 for detecting SNP TSC0014696.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

XX PT designed to detect single-nucleotide polymorphisms and cytosine

XX PT methylation status.

XX PS Claim 1; SEQ ID NO 291217; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX CC range of diseases including immune system, gastrointestinal, respiratory,

XX CC central nervous system, cardiovascular and metabolic disorders. The

XX CC oligomers are also used for detecting cell type differentiation. ABC00010

XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

XX CC represent the oligomers described in the invention. NOTE: The sequence

XX CC data for this patent did not form part of the printed specification, but

XX CC was obtained in electronic format from WIPO at

XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 6 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.9e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1633 ATGGGGCTTGTA 1644

DB 12 ATGGGGCTTGTA 1

RESULT 1007

ABI81369/c

ID ABI81369 standard; DNA; 12 BP.

XX AC ABI81369;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 381342 for detecting SNP TSC0064297.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 381342; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1748 CCTATCCTTAAA 1759

Db 12 CTCTATCCTTAAA 1

RESULT 1008

ABH78792/C

ID ABH78792 standard; DNA; 12 BP.

XX AC ABH78792;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 278785 for detecting SNP TSC0006380.

XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WIPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 278785; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1748 CCTATCCTTAAA 1759

Db 12 CCCAATCCTTAAA 1

RESULT 1009

ABI69250/C

ID ABI69250 standard; DNA; 12 BP.

XX AC ABI69250;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 369223 for detecting SNP TSC0057525.

XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WIPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 369223; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 7 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1738 CCCAATCCTTCC 1749

Db 12 CCCAACTCCTAC 1

RESULT 1010
ABI70995
ID ABI70995 standard; DNA; 12 BP.
XX
AC ABI70995;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 370968 for detecting SNP TSC0058497.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 370968; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 7 G; 3 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1706 TTGGGTTAGGAG 1717
Db 1 TTGGGTTAGGAG 12
RESULT 1011
ABI79597/c
ID ABI79597 standard; DNA; 12 BP.
XX
AC ABI79597;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 379570 for detecting SNP TSC0063355.
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 379570; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1703 AAGTTGGATTAG 1714
Db 12 AAGTTGGATTAG 1
RESULT 1012
ABH74230/c
ID ABH74230 standard; DNA; 12 BP.
XX
AC ABH74230;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 274215 for detecting SNP TSC0003480.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 274215; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 7 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1697 TGGTGGAGCTG 1708
DB 12 TGGTGGAGCTG 1
RESULT 1013
ABH74324
ID ABH74324 standard; DNA; 12 BP.
XX AC ABH74324;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 274309 for detecting SNP TSC0003509.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 274309; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 1 C; 7 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1694 GCGTGGTGGAG 1705
DB 1 GCGTGGTGGTAG 12
RESULT 1014
ABI25200
ID ABI25200 standard; DNA; 12 BP.
XX AC ABI25200;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 325173 for detecting SNP TSC0032434.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 325173; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 5 A; 0 C; 5 G; 2 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1721 GGAGTGGAGAT 1732
 Db 1 GAAGATGGAGAT 12
 RESULT 1015
 ABI27537
 ID ABI27537 standard; DNA; 12 BP.
 XX
 AC ABI27537;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 327510 for detecting SNP TSC0033693.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 Claim 1; SEQ ID NO 327510; 29pp + Sequence Listing; German.
 XX
 This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 3 A; 7 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1739 CCAACTCTCTCC 1750
 Db 1 CAACTCTCTCC 12
 RESULT 1016
 ABI05067

ID ABI05067 standard; DNA; 12 BP.
 XX
 AC ABI05067;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 305040 for detecting SNP TSC0021226.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 Claim 1; SEQ ID NO 305040; 29pp + Sequence Listing; German.
 XX
 This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 1 A; 0 C; 7 G; 4 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1706 TTGGCTTAGGAG 1717
 Db 1 TTGGCTTAGGAG 12
 RESULT 1017
 ABI13679
 ID ABI13679 standard; DNA; 12 BP.
 XX
 AC ABI13679;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 313652 for detecting SNP TSC0025892.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.

XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 313652; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 5 C; 1 G; 2 T; 0 U; 0 Other;
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 4.9e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1710 GTTAGGAGTACG 1721
DB 1 GTTAGGAGAACG 12
RESULT 1018
ABI74121/c
ID ABI74121 standard; DNA; 12 BP.
XX ABI74121;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 374094 for detecting SNP TSC0060488.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 374094; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 4.9e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1710 GTTAGGAGTACG 1721
DB 1 GTTAGGAGAACG 12
RESULT 1019
ABI76760/c
ID ABI76760 standard; DNA; 12 BP.
XX ABI76760;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 376733 for detecting SNP TSC0061961.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 376733; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 374094; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 4.9e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1710 GTTAGGAGTACG 1721
DB 12 GTTAGGAGTTCC 1
RESULT 1019
ABI76760/c
ID ABI76760 standard; DNA; 12 BP.
XX ABI76760;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 376733 for detecting SNP TSC0061961.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 376733; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 8 G; 0 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1745 CTCCTCCTATCCT 1754
 Db 12 CTCCTCCTATC 1

RESULT 1020
 ABH93219/C
 ID ABH93219 standard; DNA; 12 BP.
 XX AC ABH93219;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 293212 for detecting SNP TSC0015547.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 293212; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1745 CTCCTCCTATCCT 1754
 Db 12 CTCCTCCTATC 1

RESULT 1020
 ABH93219/C
 ID ABH93219 standard; DNA; 12 BP.
 XX AC ABH93219;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 293212 for detecting SNP TSC0015547.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 293212; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1696 GTGGTGAAGTT 1707
 Db 12 GTGGTGAAGTT 1

RESULT 1022
 ABI48545
 ID ABI48545 standard; DNA; 12 BP.
 XX AC ABI48545;
 XX DT 22-FEB-2002 (first entry)

QY 1743 CTCCTCCTATC 1754
 Db 12 CTCCTCCTATC 1

RESULT 1021
 ABI45848/C
 ID ABI45848 standard; DNA; 12 BP.
 XX AC ABI45848;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 345821 for detecting SNP TSC0044228.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 345821; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1696 GTGGTGAAGTT 1707
 Db 12 GTGGTGAAGTT 1

RESULT 1022
 ABI48545
 ID ABI48545 standard; DNA; 12 BP.
 XX AC ABI48545;
 XX DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 348518 for detecting SNP TSC0045630.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 348518; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 2 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1710 GTTAGGAGTACG 1721
 Db |||||
 1 GTTAGGAGTTCTG 12
 RESULT 1023
 ABI67505/c
 ID ABI67505 standard; DNA; 12 BP.
 XX
 XX ABI67505;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide primer SEQ ID NO 367478 for detecting SNP TSC0056370.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 348518; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 2 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1710 GTTAGGAGTACG 1721
 Db |||||
 1 GTTAGGAGTTCTG 12
 RESULT 1023
 ABI67505/c
 ID ABI67505 standard; DNA; 12 BP.
 XX
 XX ABI67505;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide primer SEQ ID NO 367478 for detecting SNP TSC0056370.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 367478; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1696 GTGCTGGAGTT 1707
 Db |||||
 12 GTTGTGGAAGTT 1
 RESULT 1024
 ABI54852
 ID ABI54852 standard; DNA; 12 BP.
 XX
 XX ABI54852;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide primer SEQ ID NO 354825 for detecting SNP TSC0049316.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 KW
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 354825; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX CC range of diseases including immune system, gastrointestinal, respiratory,

XX CC central nervous system, cardiovascular and metabolic disorders. The

XX CC oligomers are also used for detecting cell type differentiation. ABC00010

XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

XX CC represent the oligomers described in the invention. NOTE: The sequence

XX CC data for this patent did not form part of the printed specification, but

XX CC was obtained in electronic format from WIPO at

XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.9e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATT 1733

DB 1 GAGATGGAGATT 12

RESULT 1025

ABI55339

ID ABI55339 standard; DNA; 12 BP.

AC ABI55339;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 355312 for detecting SNP TSC0007163.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 355312; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX and cytosine methylation status in chemically pretreated genomic DNA. The

XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX range of diseases including immune system, gastrointestinal, respiratory,

XX central nervous system, cardiovascular and metabolic disorders. The

XX oligomers are also used for detecting cell type differentiation. ABC00010

XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

XX represent the oligomers described in the invention. NOTE: The sequence

XX data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.9e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1640 TTGTAGTAGAAG 1551

DB 1 TTGTAGTAGAAG 12

RESULT 1026

ABI63114

ID ABI63114 standard; DNA; 12 BP.

AC ABI63114;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 363087 for detecting SNP TSC0053645.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01C19173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 363087; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX and cytosine methylation status in chemically pretreated genomic DNA. The

XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX range of diseases including immune system, gastrointestinal, respiratory,

XX central nervous system, cardiovascular and metabolic disorders. The

XX oligomers are also used for detecting cell type differentiation. ABC00010

XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

XX represent the oligomers described in the invention. NOTE: The sequence

XX data for this patent did not form part of the printed specification, but

XX was obtained in electronic format from WIPO at

XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.9e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1720 CGGATATGGAGA 1731

DB 1 CGGATATGGAGA 12

```

RESULT 1027
ABI28532/c
ID ABI28532 standard; DNA; 12 BP.
XX
AC ABI28532;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 328505 for detecting SNP TSC0034359.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
EN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PT WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 328505; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1726 TGGAGATTGGCT 1737
DB 12 TGGAGATTGGTT 1

RESULT 1028
ABI50660/c
ID ABI50660 standard; DNA; 12 BP.
XX
AC ABI50660;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 350633 for detecting SNP TSC0046789.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PT WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 350633; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 6 C; 0 G; 1 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1696 GTGCTGGAAGTT 1707
DB 12 GTGCTGATGTT 1

RESULT 1029
ABI71189/c
ID ABI71189 standard; DNA; 12 BP.
XX
AC ABI71189;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 371162 for detecting SNP TSC0058621.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

```

XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 371162; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
 XX Query Match 7.5%; Score 10.4; DB 1; Length 12;
 XX Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1702 GAAGTTGGGTTA 1713
 DB 12 GATGTTGGGTTA 1
 RESULT 1030
 ABI81529
 ID ABI81529 standard; DNA; 12 BP.
 AC ABI81529;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 381502 for detecting SNP TSC0064394.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 381502; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 2 A; 9 C; 0 G; 1 T; 0 U; 0 Other;
 XX Query Match 7.5%; Score 10.4; DB 1; Length 12;
 XX Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1738 CCCAACTCCTCC 1749
 DB 1 CCCAACTCCTCC 12
 RESULT 1031
 ABH92917/c
 ID ABH92917 standard; DNA; 12 BP.
 XX ABH92917;
 AC ABH92917;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 292910 for detecting SNP TSC0015404.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 292910; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 0 Other;


```

Query Match          7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1703 AAGTTGGGTTAG 1714
   |||||
DB 12 AAGTTGGGTTTG 1

RESULT 1032
ABH96992/c
ID ABH96992 standard; DNA; 12 BP.
XX
AC ABH96992;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 296985 for detecting SNP TSC0017381.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PR 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 296985; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
ABCG00010-ABCG9989, ABFG00010-ABFG9989, ABH00010-ABH99989 and
ABIO00010-ABIO2073 represent the oligomers described in the invention.
NOTE: The sequence data for this patent did not form part of the printed specification,
but was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 2 A; 8 C; 0 G; 2 T; 0 U; 0 Other;

Query Match          7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1699 GTGGAGTTGGG 1710
   |||||
DB 12 GGGGAGTTGGG 1

RESULT 1033
ABH77660/c
ID ABH77660 standard; DNA; 12 BP.
XX

```


CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 5 A; 6 C; 0 G; 1 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1701 GGAGTGGGTT 1712
 DB 12 GGTAGTGGGTT 1
 RESULT 1037
 ABI58975/c
 ID ABI58975 standard; DNA; 12 BP.
 XX AC ABI58975;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 358948 for detecting SNP TSC0051393.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 358948; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 4 A; 6 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1703 AGTGGGTTAG 1714

DB 12 AGTTGGGTTAG 1
 RESULT 1038
 ABI61446/c
 ID ABI61446 standard; DNA; 12 BP.
 XX AC ABI61446;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 361419 for detecting SNP TSC0052628.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 361419; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1704 AGTTGGGTTAGG 1715
 DB 12 AGTTGGGTTAAG 1
 RESULT 1039
 ABH67931
 ID ABH67931 standard; DNA; 12 BP.
 XX AC ABH67931;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 267908 for detecting SNP TSC0000674.

```
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 267908; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1701 GGAAGTTGGTT 1712
Db 1 GGAAGTTGGTT 12
RESULT 1040
ABH69474/c
ID ABH69474 standard; DNA; 12 BP.
XX
AC ABH69474;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 269451 for detecting SNP TSC0001769.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PS Claim 1; SEQ ID NO 296173; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1701 GGAAGTTGGTT 1712
Db 1 GGAAGTTGGTT 12
RESULT 1040
ABH69474/c
ID ABH69474 standard; DNA; 12 BP.
XX
AC ABH69474;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 269451 for detecting SNP TSC0001769.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PS Claim 1; SEQ ID NO 296173; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1707 TCGGTTAGGAGT 1718
Db 12 TCGGTTAGGAGT 1
RESULT 1041
ABH96180/c
ID ABH96180 standard; DNA; 12 BP.
XX
AC ABH96180;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 296173 for detecting SNP TSC0016943.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 296173; 29pp + Sequence Listing; German.
```

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1745 CCTCCTATCTCT 1756
Db 12 CCTCCTATCTCT 1
RESULT 1042
ABI05053
ID ABI05053 standard; DNA; 12 BP.
AC ABI05053;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 305026 for detecting SNP TSC0021217.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 305026; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1696 GTGGTGAAGTT 1707
Db 1 GTGGTGAAGTT 12
RESULT 1043
ABI32594
ID ABI32594 standard; DNA; 12 BP.
XX
XX AC ABI32594;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 332567 for detecting SNP TSC0036998.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 332567; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.9e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1706 TTGGGTTAGGAG 1717
Db 1 TTGGGTTAGTAG 12
RESULT 1044

ABH90089/C
 ID ABH90089 standard; DNA; 12 BP.
 XX AC ABH90089;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 290082 for detecting SNP TSC0014210.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPITG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 290082; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 4 A; 5 C; 1 G; 2 T; 0 U; 0 Other;
 XX Best Match 7.5%; Score 10.4; DB 1; Length 12;
 XX Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1709 GGTAGGAGTAC 1720
 Db 12 GGTAGGAGTTC 1
 RESULT 1045
 ABH93470/C
 ID ABH93470 standard; DNA; 12 BP.
 XX AC ABH93470;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 293463 for detecting SNP TSC0015629.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPITG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;

OS Homo sapiens.
 XX WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPITG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 293463; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
 XX Best Match 7.5%; Score 10.4; DB 1; Length 12;
 XX Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1711 TTAGGAGTACGG 1722
 Db 12 TTAGGAGTATGG 1
 RESULT 1046
 ABH78187/C
 ID ABH78187 standard; DNA; 12 BP.
 XX AC ABH78187;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 278180 for detecting SNP TSC0005767.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPITG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 278180; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC data for this patent did not form part of the printed specification, but
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 XX
 XX Sequence 12 BP; 5 A; 6 C; 0 G; 1 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1634 TGGGCTTGTAG 1645
 Db 12 TGGGCTTGTAG 1
 RESULT 1047
 ABI28998
 ID ABI28998 standard; DNA; 12 BP.
 XX
 AC ABI28998;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 328971 for detecting SNP TSC0034676.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 FN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 328971; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

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 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC was obtained in electronic format from WIPO at
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 XX
 XX Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1704 AGTGGTTAGG 1715
 Db 1 AGTGGTTAGG 12
 RESULT 1048
 ABH81163/c
 ID ABH81163 standard; DNA; 12 BP.
 XX
 AC ABH81163;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 281156 for detecting SNP TSC0009500.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 FN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 281156; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
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 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 3 A; 7 C; 0 G; 2 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;

DT	22-FEB-2002	(first entry)
XX	Oligonucleotide primer	SEQ ID NO 345371 for detecting SNP TSC0044001.
DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
KW		
XX	Homo sapiens.	
OS	WO200177384-A2.	
XX	18-OCT-2001.	
XX	06-APR-2001; 2001WO-IB000713.	
PF	07-APR-2000; 2000DE-01019173.	
XX	(EPIG-) EPIGENOMICS AG.	
XX	Olek A, Piepenbrock C, Berlin K;	
PI	WPI; 2001-657177/75.	
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is	
DR	designed to detect single-nucleotide polymorphisms and cytosine	
XX	methylation status.	
PT	Claim 1; SEQ ID NO 345371; 29pp + Sequence Listing; German.	
PT	This invention describes novel oligonucleotide primers or peptide nucleic	
PS	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
XX	and cytosine methylation status in chemically pretreated genomic DNA. The	
XX	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
CC	range of diseases including immune system, gastrointestinal, respiratory,	
CC	central nervous system, cardiovascular and metabolic disorders. The	
CC	oligomers are also used for detecting cell type differentiation. ABC00010	
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073	
CC	represent the oligomers described in the invention. NOTE: The sequence	
CC	data for this patent did not form part of the printed specification, but	
CC	was obtained in electronic format from WIPO at	
CC	ftp.wipo.int/pub/published_pct_sequences	
XX	Sequence 12 BP; 4 A; 0 C; 7 G; 1 T; 0 U; 0 Other;	
SQ	Query Match	7.5%; Score 10.4; DB 1; Length 12;
	Best Local Similarity	91.7%; Pred. No. 4.9e+02;
	Matches	11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy	1746	CTCCTCTCTCTCTA :757
Dd	12	CTCCTCTCTCTCTA :

XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 363191; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC000010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 4.9e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1747 TCCCTATCCTAA 1758
 Db 12 TCCCTATCCTCA 1
 RESULT 1052
 ID AA293102 standard; DNA; 13 BP.
 AC AA293102;
 XX 16-AUG-2000 (first entry)
 DT 5'UTR sequence used in cold shock expression construct.
 DE Expression construct; cold shock; inducible gene; gene expression;
 KW downstream box; bacteria; antibiotic; ss.
 KW Escherichia coli.
 OS WO200011148-A2.
 PN 02-MAR-2000.
 XX 20-AUG-1999; 99WO-US019030.
 XX 20-AUG-1998; 98US-0096938P.
 PR 16-APR-1999; 99US-00293427.
 PR 12-JUL-1999; 99US-0143380P.
 XX (UYNE-) UNIV NEW JERSEY.
 XX Fang L, Jiang W, Mitta M, Inouye M, Etchegaray J;
 PI WPI; 2000-246559/21.
 DR New nucleic acid useful for regulating bacterial gene expression under

PT conditions of physiological stress that induce the cold shock response of
 PT a bacterium.
 XX Claim 15; Page 55; 100pp; English.
 XX New expression constructs are described which prolong the expression of
 CC cold shock inducible genes under conditions that elicit the response in
 CC bacteria. The constructs comprise either a downstream box, a nucleic acid
 CC that enhances the translation of cold shock inducible genes under
 CC conditions that elicit the cold shock response; or a cold box and at
 CC least a portion of the 5'UTR of a cold shock inducible gene that
 CC represses the expression or enhances the translation of the cold shock
 CC inducible gene and a downstream box sequence. The overexpression of the
 CC cold shock inducible gene causes a reduction in the expression of at
 CC least one endogenous protein. The constructs are useful as an antibiotic
 CC to kill or to stop the growth of bacteria in plants and animals
 XX
 SQ Sequence 13 BP; 4 A; 5 C; 4 G; 0 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1754 CCTAAGGCCCA 1765
 Db 2 CCGAAGGCCCA 13
 RESULT 1053
 ID ABC69426 standard; DNA; 13 BP.
 AC ABC69426;
 XX 21-FEB-2002 (first entry)
 DT Oligonucleotide SEQ ID NO 69443 for detecting SNP TSC0019070.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 69443; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC000010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGAT 1732
Db 1 GAAGATGGAGAT 12
|||||
|

RESULT 1054
ABF18044
ID ABF18044 standard; DNA; 13 BP.
XX
AC ABF18044;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 118041 for detecting SNP TSC0029517.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PN Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 118041; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1711 TTAGGAGTACGG 1722
Db 2 TTAGGAGTACGG 13
|||||
|

RESULT 1056
ABF46002
ID ABF46002 standard; DNA; 13 BP.
XX
AC ABF46002;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 145999 for detecting SNP TSC0036789.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

RESULT 1055
ABF25942
ID ABF25942 standard; DNA; 13 BP.
XX
AC ABF25942;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 125939 for detecting SNP TSC0031508.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PN Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 125939; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 5 G; 4 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1710 GTTAGGAGTACG 1721
Db 1 GTTAGGAGTACG 12
|||||
|

RESULT 1056
ABF46002
ID ABF46002 standard; DNA; 13 BP.
XX
AC ABF46002;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 145999 for detecting SNP TSC0036789.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 145999; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 1 A; 0 C; 7 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1707 TGGGTTAGGACT 1718
 Db 1 TGGGTTAGGCT 12
 RESULT 1057
 ABF55622
 ID ABF55622 standard; DNA; 13 BP.
 XX AC ABF55622;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 155619 for detecting SNP TSC0001748.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 247600; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 155619; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 2 A; 0 C; 7 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1726 TGGAGATTGGCT 1737
 Db 1 TGGAGATTGGCT 12
 RESULT 1058
 ABH47623/c
 ID ABH47623 standard; DNA; 13 BP.
 XX AC ABH47623;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 247600 for detecting SNP TSC0060506.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 247600; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic

```
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;

Query Match          7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1705 GTTGGGTTAGGA 1716
Db      ||||| |||||
12 GTTGGATTAGGA 1

RESULT 1059
ABC69427/c
ID ABC69427 standard; DNA; 13 BP.
XX
AC ABC69427;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 69444 for detecting SNP TSC0018070.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 69444; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;

Query Match          7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1705 GTTGGGTTAGGA 1716
Db      ||||| |||||
12 GTTGGATTAGGA 1

RESULT 1059
ABC69427/c
ID ABC69427 standard; DNA; 13 BP.
XX
AC ABC69427;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 69444 for detecting SNP TSC0018070.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 69444; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;

Query Match          7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1701 GGAAGTTGGGTT 1712
Db      ||||| |||||
13 GGAAGTTGGGAT 2

RESULT 1061
ABC31788
ID ABC31788 standard; DNA; 13 BP.
XX
AC ABC00339 standard; DNA; 13 BP.
XX
AC ABC00339;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 330 for detecting SNP TSC0000062.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01C19173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 330; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match          7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1701 GGAAGTTGGGTT 1712
Db      ||||| |||||
13 GGAAGTTGGGAT 2

RESULT 1061
ABC31788
ID ABC31788 standard; DNA; 13 BP.
```


CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX
XX Sequence 13 BP; 5 A; 7 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1704 AGTGGGTTAGG 1715
Db 13 AGTGGGTTGG 2

RESULT 1065
ABF20795/c
ID ABF20795 standard; DNA; 13 BP.

XX
AC ABF20795;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 120792 for detecting SNP TSC0030144.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 120792; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX
XX Sequence 13 BP; 4 A; 6 C; 2 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1705 GTTGGGTTAGGA 1716
Db 12 GTTGGGTTGGGA 1

RESULT 1064
ABC11715/c
ID ABC11715 standard; DNA; 13 BP.

XX
AC ABC11715;
XX
XX 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 11722 for detecting SNP TSC0002832.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 11722; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The

QY 1707 TGGGTTAGGAGT 1718
 DB 13 TGGGTTAGTAGT 2

RESULT 1066
 ID ABF24349/c
 AC ABF24349 standard; DNA; 13 BP.
 AC ABF24349;
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 124346 for detecting SNP TSC0031088.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 124346; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 5 C; 1 G; 4 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1723 AGATGGAGATTG 1734
 DB 13 AGATGGAGATCG 2

RESULT 1067
 ID ABF25383
 AC ABF25383 standard; DNA; 13 BP.
 AC ABF25383;
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 124346 for detecting SNP TSC0031088.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 124346; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 5 C; 1 G; 4 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DE Oligonucleotide SEQ ID NO 125380 for detecting SNP TSC0031340.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 125380; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 2 A; 7 C; 1 G; 3 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATC 1754
 DB 1 CTCACCCCTATC 12

RESULT 1068
 ID ABF43730/c
 AC ABF43730;
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 143727 for detecting SNP TSC0036088.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.

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XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 143727; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 7 C; 1 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1744 TCCTCCCTATCC 1755
Db ||||| |||
2 TCCTCCCGATCC 13
XX
RESULT 1070
ABF74436
ID ABF74436 standard; DNA; 13 BP.
XX
XX AC ABF74436;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 174433 for detecting SNP TSC0043388.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 174433; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1738 CCCACTCTCTCC 1749
Db ||||| |||
13 CCCACTTCTCC 2
XX
RESULT 1069
ABF73145
ID ABF73145 standard; DNA; 13 BP.
XX
XX AC ABF73145;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 173142 for detecting SNP TSC0043123.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
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CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 1 Other;

SQ Query Match 7.5%; Score 10.4; DB 1; Length 13;

XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;

XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1702 GAAGTTGGGTTA 1713

Db 1 GTAGTTGGGTTA 12

RESULT 1071

ABH37503

ID ABH37503 standard; DNA; 13 BP.

XX AC ABH37503;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 237480 for detecting SNP TSC0057920.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WIPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 237480; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

XX Query Match 7.5%; Score 10.4; DB 1; Length 13;

XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;

XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1750 CTATCCTAAAGG 1761

Db 2 CTATCCTAAACG 13

RESULT 1072

ABC47423

ID ABC47423 standard; DNA; 13 BP.

XX AC ABC47423;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 47440 for detecting SNP TSC0013623.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WIPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 47440; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;

XX Query Match 7.5%; Score 10.4; DB 1; Length 13;

XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;

XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1742 ACTCCTCCCTAT 1753

Db 2 ACTCCTCCTAT 13

RESULT 1073

ABC49575

ID ABC49575 standard; DNA; 13 BP.

XX AC ABC49575;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 49592 for detecting SNP TSC0014010.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 49592; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 0 A; 8 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 1744 TCCTCCCTATCC 1755
 1 TCCTCCCTATCC 12
 RESULT 1074
 ABC00211/c
 ID ABC00211 standard; DNA; 13 BP.
 XX AC ABC00211;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 202 for detecting SNP TSC0000040.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 31809; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 0 A; 8 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 1744 TCCTCCCTATCC 1755
 1 TCCTCCCTATCC 12
 RESULT 1075
 ABC31792
 ID ABC31792 standard; DNA; 13 BP.
 XX AC ABC31792;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 31809 for detecting SNP TSC0000913.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 31809; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 0 A; 5 C; 0 G; 3 T; 0 U; 1 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 1722 GAGATGGAGATT 1733
 13 GAGATGGAGATT 2
 RESULT 1075
 ABC31792
 ID ABC31792 standard; DNA; 13 BP.
 XX AC ABC31792;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 31809 for detecting SNP TSC0000913.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 31809; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 202; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 1 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 1722 GAGATGGAGATT 1733
 13 GAGATGGAGATT 2
 RESULT 1075
 ABC31792
 ID ABC31792 standard; DNA; 13 BP.
 XX AC ABC31792;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 31809 for detecting SNP TSC0000913.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 31809; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 1 A; 1 C; 6 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1705 GTTGGTTAGGA 1716
 DB 2 GTTGGTTTGGG 13

RESULT 1076

ABF11506
 ID ABF11506 standard; DNA; 13 BP.

XX AC ABF11506;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 111503 for detecting SNP TSC0027852.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

OS WO200177384-A2.

PN 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 111503; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1702 GAAGTTGGTTA 1713
 DB 1 GGAGTTGGTTA 12

RESULT 1077

ABF25379

ID ABF25379 standard; DNA; 13 BP.

XX AC ABF25379;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 125376 for detecting SNP TSC0031340.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 125376; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATC 1754
 DB 1 CTCACCCCTATC 12

RESULT 1078

ABF25943/C

ID ABF25943 standard; DNA; 13 BP.

XX AC ABF25943;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 125940 for detecting SNP TSC0031508.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIC-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 125940; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 5 C; 1 G; 2 T; 0 U; 1 Other;

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX Query Match 7.5%; Score 10.4; DB 1; Length 13;

XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;

XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1710 GTTAGGAGTACG 1721

DB 13 GTTAGGAGTTCG 2

RESULT 1079

ABF39732

ID ABF39732 standard; DNA; 13 BP.

XX AC ABF39732;

XX DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 139729 for detecting SNP TSC0034974.

DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 139729; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 1 Other;

XX Query Match 7.5%; Score 10.4; DB 1; Length 13;

XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;

XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATCGAGATT 1733

DB 1 GATATGGAGATT 12

RESULT 1080

ABH00390

ID ABH00390 standard; DNA; 13 BP.

XX AC ABH00390;

XX DT 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 200367 for detecting SNP TSC0049306.

DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 200367; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 1 C; 7 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGAT 1732

Db 1 GGAGCGGAGAT 12
||||| |||||

RESULT 1081

ABF53254

ID ABF53254 standard; DNA; 13 BP.

XX AC ABF53254;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 153251 for detecting SNP TSC0038744.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 153251; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 2 C; 5 G; 3 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1710 GTTAGGACTAG 1721

Db 1 GTTAGGCGTAGC 12
||||| |||||

RESULT 1082

ABF79386/c

ID ABF79386 standard; DNA; 13 BP.

XX AC ABF79386;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 179383 for detecting SNP TSC0044413.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 179383; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCCACTCCT 1747

||||| |||||

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Db      12 CTCCCACTACT 1
RESULT 1083
ABH13558/C
ID ABH13558 standard; DNA; 13 BP.
XX
XX
AC ABH13558;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 213535 for detecting SNP TSC0051991.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 213535; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 7 G; 2 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 1737 TCCCACTCTCTC 1748
XX 13 TCCCACTCGC 2
XX
XX RESULT 1084
XX ABH42003
XX ID ABH42003 standard; DNA; 13 BP.
XX
XX
XX AC ABH42003;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 241980 for detecting SNP TSC0059020.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 241980; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 1748 CCCTATCCTAAA 1759
XX 1 CACTATCCTAAA 12
XX
XX RESULT 1085
XX ABH63203/C
XX ID ABH63203 standard; DNA; 13 BP.
XX
XX
XX AC ABH63203;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 263180 for detecting SNP TSC0063836.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX

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XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 263180; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
 XX
 XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 XX QY 1721 GGAGATGGAGAT 1732
 XX | |||||
 XX Db 13 GTAGATGGAGAT 2
 XX
 XX RESULT 1086
 XX ABC44244
 XX ID ABC44244 standard; DNA; 13 BP.
 XX AC ABC44244;
 XX
 XX 21-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 44261 for detecting SNP TSC0013010.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 44261; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 CC Sequence 13 BP; 3 A; 0 C; 8 G; 2 T; 0 U; 0 Other;
 CC
 CC Query Match 7.5%; Score 10.4; DB 1; Length 13;
 CC Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 CC
 CC QY 1699 GTGGAAGTTGGG 1710
 CC | |||||
 CC Db 1 GAGGAAGTTGGG 12
 CC
 CC RESULT 1087
 CC ABC19753
 CC ID ABC19753 standard; DNA; 13 BP.
 CC XX ABC19753;
 CC AC ABC19753;
 CC
 CC 20-FEB-2002 (first entry)
 CC
 CC Oligonucleotide SEQ ID NO 19770 for detecting SNP TSC0004089.
 CC SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 CC peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 CC central nervous system; gastrointestinal; respiratory; immune; metabolic.
 CC
 CC Homo sapiens.
 CC
 CC WO200177384-A2.
 CC
 CC 18-OCT-2001.
 CC
 CC 06-APR-2001; 2001WO-IB000713.
 CC
 CC 07-APR-2000; 2000DE-01019173.
 CC
 CC (EPIG-) EPIGENOMICS AG.
 CC Olek A, Piepenbrock C, Berlin K;
 CC WPI; 2001-657177/75.
 CC
 CC Set of oligonucleotides, useful for diagnosis and cell typing, is
 CC designed to detect single-nucleotide polymorphisms and cytosine
 CC methylation status.
 CC Claim 1; SEQ ID NO 19770; 29pp + Sequence Listing; German.
 CC
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ	Sequence 13 BP; 5 A; 6 C; 1 G; 1 T; 0 U; 0 Other;	
XX	Query Match	7.5%; Score 10.4; DB 1; Length 13;
XX	Best Local Similarity	91.7%; Pred. No. 5.4e+02;
XX	Matches 11; Conservative	0; Mismatches 1; Indels 0; Gaps 0;
QY	1754 CCTAAAGGCCCA 1765	
DB		
DB	1 CCTAAAGGCCCA 12	
RESULT 1088		
ABC24273		
ID	ABC24273 standard; DNA; 13 BP.	
XX		
AC	ABC24273;	
XX		
DT	20-FEB-2002 (first entry)	
XX		
DE	Oligonucleotide SEQ ID NO 24290 for detecting SNP TSC0005767.	
XX		
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;		
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX		
OS	Homo sapiens.	
XX		
PN	WO200177384-A2.	
PD	18-OCT-2001.	
XX		
PF	06-APR-2001; 2001WO-IB000713.	
XX		
PR	07-APR-2000; 2000DE-01019173.	
XX		
PA	(EPIC-) EPIGENOMICS AG.	
XX		
PI	Olek A, Piepenbrock C, Berlin K;	
XX		
DR	WPI; 2001-657177/75.	
XX		
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is	
PT	designed to detect single-nucleotide polymorphisms and cytosine	
PT	methylation status.	
XX		
PS	Claim 1; SEQ ID NO 24290; 29pp + Sequence Listing; German.	
XX		
CC	This invention describes novel oligonucleotide primers or peptide nucleic	
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
CC	and cytosine methylation status in chemically pretreated genomic DNA. The	
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
CC	range of diseases including immune system, gastrointestinal, respiratory,	
CC	central nervous system, cardiovascular and metabolic disorders. The	
CC	oligonucleotides are also used for detecting cell type differentiation. ABC00010	
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT99989	
CC	represent the oligomers described in the invention. NOTE: The sequence	
CC	data for this patent did not form part of the printed specification, but	
CC	was obtained in electronic format from WIPO at	
CC	ftp.wipo.int/pub/published_pct_sequences	
XX		
SQ	Sequence 13 BP; 4 A; 6 C; 0 G; 2 T; 0 U; 1 Other;	
XX	Query Match	7.5%; Score 10.4; DB 1; Length 13;
XX	Best Local Similarity	91.7%; Pred. No. 5.4e+02;
XX	Matches 11; Conservative	0; Mismatches 1; Indels 0; Gaps 0;
QY	1748 CCTATCCTCTAA 1759	
DB		
DB	2 CCTATCCTCTAA 13	
RESULT 1089		
ABC00210		
ID	ABC00210 standard; DNA; 13 BP.	
XX		
AC	ABC00210;	
XX		
DT	20-FEB-2002 (first entry)	
XX		
DE	Oligonucleotide SEQ ID NO 201 for detecting SNP TSC0000040.	
XX		
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;		
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX		
OS	Homo sapiens.	
XX		
PN	WO200177384-A2.	
PD	18-OCT-2001.	
XX		
PF	06-APR-2001; 2001WO-IB000713.	
XX		
PR	07-APR-2000; 2000DE-01019173.	
XX		
PA	(EPIC-) EPIGENOMICS AG.	
XX		
PI	Olek A, Piepenbrock C, Berlin K;	
XX		
DR	WPI; 2001-657177/75.	
XX		
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is	
PT	designed to detect single-nucleotide polymorphisms and cytosine	
PT	methylation status.	
XX		
PS	Claim 1; SEQ ID NO 201; 29pp + Sequence Listing; German.	
XX		
CC	This invention describes novel oligonucleotide primers or peptide nucleic	
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
CC	and cytosine methylation status in chemically pretreated genomic DNA. The	
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
CC	range of diseases including immune system, gastrointestinal, respiratory,	
CC	central nervous system, cardiovascular and metabolic disorders. The	
CC	oligonucleotides are also used for detecting cell type differentiation. ABC00010	
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT99989	
CC	represent the oligomers described in the invention. NOTE: The sequence	
CC	data for this patent did not form part of the printed specification, but	
CC	was obtained in electronic format from WIPO at	
CC	ftp.wipo.int/pub/published_pct_sequences	
XX		
SQ	Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;	
XX	Query Match	7.5%; Score 10.4; DB 1; Length 13;
XX	Best Local Similarity	91.7%; Pred. No. 5.4e+02;
XX	Matches 11; Conservative	0; Mismatches 1; Indels 0; Gaps 0;
QY	1722 GAGATCGAGATT 1733	
DB		
DB	1 GAGATCGAGATT 12	
RESULT 1090		
ABC8050		
ID	ABC8050 standard; DNA; 13 BP.	
XX		
AC	ABC8050;	
XX		
DT	21-FEB-2002 (first entry)	
XX		
DE	Oligonucleotide SEQ ID NO 88067 for detecting SNP TSC0022140.	
XX		
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;		
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX		
OS	Homo sapiens.	


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XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 40906; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, cardiovascular and metabolic disorders. The
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATT 1733
Db 2 GAGATGGAGTTT 13

RESULT 1091
ABC40889/c
ID ABC40889 standard; DNA; 13 BP.
XX AC ABC40889;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 40906 for detecting SNP TSC0012352.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, cardiovascular and metabolic disorders. The
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATT 1733
Db 2 GAGATGGAGTTT 13

RESULT 1091
ABC40889/c
ID ABC40889 standard; DNA; 13 BP.
XX AC ABC40889;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 40906 for detecting SNP TSC0012352.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, cardiovascular and metabolic disorders. The
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

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DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 40906; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, cardiovascular and metabolic disorders. The
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATT 1733
Db 13 GAGATGGAGATT 2

RESULT 1092
ABF25378/c
ID ABF25378 standard; DNA; 13 BP.
XX AC ABF25378;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 125375 for detecting SNP TSC0031340.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PN WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 125375; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,

```

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 7 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATC 1754
Db 13 CTCACCCCTATC 2

RESULT 1093
ABF25382/c
ID ABF25382 standard; DNA; 13 BP.
XX
AC ABF25382;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 125379 for detecting SNP TSC0031340.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 125379; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATC 1754
Db 13 CTCACCCCTATC 2

RESULT 1093
ABF25382/c
ID ABF25382 standard; DNA; 13 BP.
XX
AC ABF25382;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 125379 for detecting SNP TSC0031340.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 125379; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATC 1754
Db 13 CTCACCCCTATC 2

RESULT 1094
ABF28968
ID ABF28968 standard; DNA; 13 BP.
XX
AC ABF28968;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 128965 for detecting SNP TSC0032287.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 128965; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1707 TGGGTTAGGAGT 1718
Db 1 TGAGTTAGGAGT 12

RESULT 1095
ABF28969/c
ID ABF28969 standard; DNA; 13 BP.
XX
AC ABF28969;
XX
DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 128966 for detecting SNP TSC0032287.
 DE XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 128966; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1707 TGGGTTAGGAGT 1718
 Db 13 TGAGTTAGGAGT 2
 RESULT 1096
 ABF33958/c
 ID ABF33958 standard; DNA; 13 BP.
 XX
 XX ABF33958;
 AC
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 133955 for detecting SNP TSC0033403.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 128966; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1707 TGGGTTAGGAGT 1718
 Db 13 TGAGTTAGGAGT 2
 RESULT 1096
 ABF33958/c
 ID ABF33958 standard; DNA; 13 BP.
 XX
 XX ABF33958;
 AC
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 133955 for detecting SNP TSC0033403.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 128966; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 2 A; 0 C; 6 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1748 CCCTATCCCTAAA 1759
 Db 12 CCCTATCCCAAA 1
 RESULT 1097
 ABF92684
 ID ABF92684 standard; DNA; 13 BP.
 XX
 XX ABF92684;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 192681 for detecting SNP TSC0047412.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 133955; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 2 A; 0 C; 6 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1748 CCCTATCCCTAAA 1759
 Db 12 CCCTATCCCAAA 1

XX PS Claim 1; SEQ ID NO 192681; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 7 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1697 TGGTGGAGTTG 1708
|||||
DB 2 TGGTGGAGTTG 13

RESULT 1098
ABF46003/C
ID ABF46003 standard; DNA; 13 BP.
XX AC ABF46003;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 146000 for detecting SNP TSC0036789.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX Claim 1; SEQ ID NO 146000; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 7 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1707 TGGGTTAGGAGT 1718
|||||
DB 13 TGGGTTAGGAGT 2

RESULT 1099
ABF73144/C
ID ABF73144 standard; DNA; 13 BP.
XX AC ABF73144;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 173141 for detecting SNP TSC0043123.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX Claim 1; SEQ ID NO 173141; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 1 C; 7 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1744 TCCTCCCGATCC 1755
|||||
DB 12 TCCTCCCGATCC 4

XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 155720; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1703 AAGTTGGGTTAG 1714
XX DB 12 AAGTTGGGTTAG 1
XX
XX RESULT 1103
XX ABF66103/C
XX ID ABF66103 standard; DNA; 13 BP.
XX AC ABF66103;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 166100 for detecting SNP TSC0007702.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 166100; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1693 AGCGTGGTGGAA 1704
XX DB 12 AGCGTGGTGGAA 1
XX
XX RESULT 1104
XX ABC46628/C
XX ID ABC46628 standard; DNA; 13 BP.
XX AC ABC46628;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 46645 for detecting SNP TSC0013460.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 46645; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 1 C; 7 G; 2 T; 0 U; 0 Other;
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1693 AGCGTGGTGGAA 1704
XX DB 12 AGCGTGGTGGAA 1
XX
XX RESULT 1104
XX ABC46628/C
XX ID ABC46628 standard; DNA; 13 BP.
XX AC ABC46628;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 46645 for detecting SNP TSC0013460.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 46645; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 1 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1740 CAACTCTCCCT 1751
 DB 13 CAACTCGCCT 2

RESULT 1105
 ABC52598/c
 ID ABC52598 standard; DNA; 13 BP.
 XX
 AC ABC52598;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 52615 for detecting SNP TSC0014588.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is
 designed to detect single-nucleotide polymorphisms and cytosine
 methylation status.
 XX
 Claim 1; SEQ ID NO 52615; 29pp + Sequence Listing; German.
 XX
 This invention describes novel oligonucleotide primers or peptide nucleic
 acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 and cytosine methylation status in chemically pretreated genomic DNA. The
 oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 range of diseases including immune system, gastrointestinal, respiratory,
 central nervous system, cardiovascular and metabolic disorders. The
 oligomers are also used for detecting cell type differentiation. ABC00010
 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 represent the oligomers described in the invention. NOTE: The sequence
 data for this patent did not form part of the printed specification, but
 was obtained in electronic format from WIPO at
 ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
 XX
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1737 TCCCACTCTC 1748
 DB 13 TCCCACTACTC 2

RESULT 1106
 ABC57208
 ID ABC57208 standard; DNA; 13 BP.
 XX

AC ABC57208;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 57225 for detecting SNP TSC0015477.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is
 designed to detect single-nucleotide polymorphisms and cytosine
 methylation status.
 XX
 Claim 1; SEQ ID NO 57225; 29pp + Sequence Listing; German.
 XX
 This invention describes novel oligonucleotide primers or peptide nucleic
 acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 and cytosine methylation status in chemically pretreated genomic DNA. The
 oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 range of diseases including immune system, gastrointestinal, respiratory,
 central nervous system, cardiovascular and metabolic disorders. The
 oligomers are also used for detecting cell type differentiation. ABC00010
 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 represent the oligomers described in the invention. NOTE: The sequence
 data for this patent did not form part of the printed specification, but
 was obtained in electronic format from WIPO at
 ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
 XX
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGAGATT 1733
 DB 1 GAGATGAGATT 12

RESULT 1107
 ABC57209/c
 ID ABC57209 standard; DNA; 13 BP.
 XX
 AC ABC57209;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 57226 for detecting SNP TSC0015477.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 84808; 29pp + Sequence Listing; German.

PS

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABCF9989, ABF0010-ABF9989, ABH0010-ABH9989 and AB10010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX

XX Sequence 13 BP; 2 A; 7 C; 0 G; 4 T; 0 U; 0 Other;

SY

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1746 CTCCTATCCCTA 1757
||||| |||||
Db 2 CTCCTATCCCTA 13

RESULT 1109
ABC14558/c

ID ABC14558 standard; DNA; 13 BP.

AC ABC14558;

XX

XX 20-FEB-2002 (first entry)

DT

DE Oligonucleotide SEQ ID NO 14565 for detecting SNP TSC0003286.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

XX WO200177384-A2.

PN

XX

XX 18-OCT-2001.

PD

XX

XX 06-APR-2001; 2001WO-IB000713.

PF

XX

XX 07-APR-2000; 2000DE-01019173.

PR

XX

XX (EPIG-) EPIGENOMICS AG.

PA

XX

XX Olek A, Piepenbrock C, Berlin K;

PI

XX

XX WPI; 2001-657177/75.

DR

XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PT

PS Claim 1; SEQ ID NO 14565; 29pp + Sequence Listing; German.

PS

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC

XX	18-OCT-2001.
PD	
XX	06-APR-2001; 2001WO-IB000713.
XX	
XX	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
XX	Olek A, Piepenbrock C, Berlin K;
XX	WPI; 2001-657177/75.
XX	
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
XX	Claim 1; SEQ ID NO 57226; 29pp + Sequence Listing; German.
PS	
XX	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
XX	Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;
SQ	
	Query Match 7.5%; Score 10.4; DB 1; Length 13;
	Best Local Similarity 91.7%; Pred. No. 5.4e+02;
	Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QV	1722 GAGATTGAGATT 1733
Db	
	13 GAGATTGAGATT 2
RESULT 1108	
ABC84791	
ID	ABC84791 standard; DNA; 13 BP.
AC	ABC84791;
XX	
DT	21-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 84808 for detecting SNP TSC0021343.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	Homo sapiens.
OS	
XX	WO200177384-A2.
PN	
XX	18-OCT-2001.
PD	
XX	
PP	06-APR-2001; 2001WO-IB000713.
XX	
XX	07-APR-2000; 2000DE-01019173.
PR	
XX	(EPIG-) EPIGENOMICS AG.
PA	
XX	Olek A, Piepenbrock C, Berlin K;
PI	
XX	WPI; 2001-657177/75.
XX	
DR	


```
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 9 G; 1 T; 0 U; 0 Other;

Query Match          7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCTCAACTCCT 1747
DB 12 CTCCTCAACTCCT 1

RESULT 1110
ABF18155/c
ID ABF18155 standard; DNA; 13 BP.
AC ABF18155;
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 118152 for detecting SNP TSC0029550.
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX Claim 1; SEQ ID NO 118152; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 8 C; 0 G; 4 T; 0 U; 0 Other;

Query Match          7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1714 GGAGTAGCGAGA 1725
DB 12 GGAGTAGCGAGA 1725

RESULT 1111
ABF20794
ID ABF20794 standard; DNA; 13 BP.
AC ABF20794;
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 120791 for detecting SNP TSC0030144.
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 120791; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;

Query Match          7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1707 TGGGTTAGAGT 1718
DB 1 TGGGTTAGAGT 12

RESULT 1112
ABF33959
ID ABF33959 standard; DNA; 13 BP.
AC ABF33959;
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 133956 for detecting SNP TSC0033403.
```

```

XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 133956; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, cardiovascular, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -AB09989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 6 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1748 CCTATCCTAA 1759
XX Db 2 CCTATCCTAA 13
XX
XX RESULT 1113
XX ABH61554/C
XX ID ABH61554 standard; DNA; 13 BP.
XX
XX AC ABH61554;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 261531 for detecting SNP TSC0063469.
XX
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 133956; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, cardiovascular, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -AB09989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 6 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1748 CCTATCCTAA 1759
XX Db 2 CCTATCCTAA 13
XX
XX RESULT 1113
XX ABH61554/C
XX ID ABH61554 standard; DNA; 13 BP.
XX
XX AC ABH61554;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 261531 for detecting SNP TSC0063469.
XX
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 133956; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, cardiovascular, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -AB09989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 6 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1747 TCCCTATCCTAA 1758
XX Db 13 TCCCTATCCTAA 2
XX
XX RESULT 1114
XX ABC46625
XX ID ABC46625 standard; DNA; 13 BP.
XX
XX AC ABC46625;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 46642 for detecting SNP TSC0013460.
XX
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 46642; 29pp + Sequence Listing; German.

```

```
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1740 CAACTCCTCCCT 1751
Db 1 CAACTCCACCT 12

RESULT 1115
ABC77643/c
ID ABC77643 standard; DNA; 13 BP.
AC ABC77643;
XX
XX
XX 21-FEB-2002 (first entry)
DE
DE Oligonucleotide SEQ ID NO 77660 for detecting SNP TSC0019778.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
PD
PF
PF 06-APR-2001; 2001WO-IB000713.
PR
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 77660; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 6 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1705 GTTGGGTTAGGA 1716
Db 12 GTTGGGTTTGA 1

RESULT 1117
```

```
XX SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATT 1733
Db 12 GAGATGGGATT 1

RESULT 1116
ABC31789/c
ID ABC31789 standard; DNA; 13 BP.
XX
XX ABC31789;
XX
XX 20-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 31806 for detecting SNP TSC0009913.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
PD
PF
PF 06-APR-2001; 2001WO-IB000713.
PR
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 31806; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 6 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1705 GTTGGGTTAGGA 1716
Db 12 GTTGGGTTTGA 1

RESULT 1117
```

Mon Aug 30 09:26:45 2004

```

ABC31793/c
ID ABC31793 standard; DNA; 13 BP.
XX
AC ABC31793;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 31810 for detecting SNP TSC00009913.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 32510; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 6 C; 1 G; 1 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1705 GTTGGTTAGGA 1716
Db 12 GTTGGTTAGGA 1
|||||||

RESULT 1118
ABC32493/c
ID ABC32493 standard; DNA; 13 BP.
XX
AC ABC32493;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 32510 for detecting SNP TSC0010144.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX

```

XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 84807; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
 SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1746 CTCCTATCCTAA 1757
 Db 12 CTCCTATCCTAA 1

RESULT 1120
 ABC66988/c
 ID ABC66988 standard; DNA; 13 BP.
 XX AC ABC66988;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 67005 for detecting SNP TSC0017552.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PD 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 67005; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;
 SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1747 TCCCTATCCTAA 1758
 Db 13 TCCATATCCTAA 2

RESULT 1121
 ABF53255/c
 ID ABF53255 standard; DNA; 13 BP.
 XX AC ABF53255;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 153252 for detecting SNP TSC0038744.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PD 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 153252; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 3 A; 5 C; 2 G; 2 T; 0 U; 1 Other;
 SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;

```

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1710 GTTAGGACTAGC 1721
    ||||| |||||
Db 13 GTTAGGCTAGC 2

RESULT 1122
ABH15230/c
ID ABH15230 standard; DNA; 13 BP.
XX
AC ABH15230;
XX
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 215207 for detecting SNP TSC0052373.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPITG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 215207; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
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CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 17A8 CCTATCCTTAA 1759
    ||||| |||||
Db 12 CCTATCCTTAA 1

RESULT 1123
ABF90783/c
ID ABF90783 standard; DNA; 13 BP.
XX
AC ABF90783;
XX
XX
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1703 AAGTTGGTTAG 1714
    ||||| |||||
Db 13 ATGTTGGTTAG 2

RESULT 1124
ABC46629
ID ABC46629 standard; DNA; 13 BP.
XX
AC ABC46629;
XX
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 46646 for detecting SNP TSC0013460.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX

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XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 46646; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 2 A; 7 C; 1 G; 3 T; 0 U; 0 Other;
 SQ Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1740 CAACTCCTCCCT 1751
 Db 1 CAACTCGCCT 12
 RESULT 1125
 ABC49574/c
 ID ABC49574 standard; DNA; 13 BP.
 AC ABC49574;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 49591 for detecting SNP TSC0014010.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.
 XX Claim 1; SEQ ID NO 49591; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 5 A; 0 C; 8 G; 0 T; 0 U; 0 Other;
 SQ Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1744 TCCCTCCCTATCC 1755
 Db 13 TCCCTCCCTTTC 2
 RESULT 1126
 ABC02829
 ID ABC02829 standard; DNA; 13 BP.
 XX ABC02829;
 AC ABC02829;
 XX 20-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 2820 for detecting SNP TSC0001100.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 2820; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence

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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

  Query Match      7.5%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 5.4e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCTATCCTCTAA 1759
Db 1 CTCTATCCTCTAA 12

RESULT 1127
ABC53246/c
ID ABC53246 standard; DNA; 13 BP.
XX
AC ABC53246;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 53263 for detecting SNP TSC0014711.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 53263; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

  Query Match      7.5%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 5.4e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCTATCCTCTAA 1759
Db 12 CCATATCCTCTAA 1

RESULT 1129
ABC04730/c
ID ABC04730 standard; DNA; 13 BP.
XX
AC ABC04730;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 4721 for detecting SNP TSC0001698.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```


KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 4721; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 0 C; 6 G; 5 T; 0 U; 0 Other;
 CC
 CC Query Match 7.5%; Score 10.4; DB 1; Length 13;
 CC Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1741 AACTCTCTCCCTA 1752
 DB 12 AACTCTCTCCCAA 1
 RESULT 1130
 ABC80341
 ID ABC80341 standard; DNA; 13 BP.
 XX
 XX ABC80341;
 AC
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 80358 for detecting SNP TSC0020399.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713
 PF
 XX
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic

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 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 80358; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
 CC
 CC Query Match 7.5%; Score 10.4; DB 1; Length 13;
 CC Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1742 ACTCTCTCCCTAT 1753
 DB 2 ACTCTCTCCCTAT 13
 RESULT 1131
 ABC31002
 ID ABC31002 standard; DNA; 13 BP.
 XX
 XX ABC31002;
 AC
 XX 20-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 31019 for detecting SNP TSC0009554.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 31019; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic

Mon Aug 30 09:26:45 2004

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 5 A; 0 C; 7 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1721 GGAGATGGAGAT 1732
 DB 2 GGAGAAGGAGAT 13

RESULT 1132
 ABF24348
 ID ABF24348 standard; DNA; 13 BP.

XX AC ABF24348;
 XX DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 124345 for detecting SNP TSC0031088.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 124345; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 1 C; 5 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1723 AGATGGAGATTG 1734
 DB 1 AGATGGAGATCG 12

RESULT 1133
 ABF32774
 ID ABF32774 standard; DNA; 13 BP.

XX AC ABF32774;
 XX DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 132771 for detecting SNP TSC0033108.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 132771; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX Sequence 13 BP; 2 A; 0 C; 7 G; 3 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1701 GGAGTTGGGTT 1712
 DB 1 GGAGTTGGGTT 12

RESULT 1134
 ABF32776
 ID ABF32776 standard; DNA; 13 BP.

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XX ABF32776;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 132773 for detecting SNP TSC0033108.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
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XX PI Olek A, Piepenbrock C, Berlin K;
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XX DR WPI; 2001-657177/75.
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XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
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XX PS Claim 1; SEQ ID NO 132773; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
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XX
XX SQ Sequence 13 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 1 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1701 GGAAGTTGGGTT 1712
XX ||||| |||||
XX Db 1 GGAAGTAGGGTT 12
XX
XX RESULT 1135
XX ABF39733/c
XX ID ABF39733 standard; DNA; 13 BP.
XX
XX AC ABF39733;
XX
XX XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 139730 for detecting SNP TSC0034974.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN
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XX PD
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XX PF
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XX PR
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XX KW
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XX PA
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XX PI
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XX OS

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PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
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XX DR WPI; 2001-657177/75.
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XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
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XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 139730; 29pp + Sequence Listing; German.
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XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
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XX
XX SQ Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1722 GAGATGGAGATT 1733
XX ||||| |||||
XX Db 13 GATATGGAGATT 2
XX
XX RESULT 1136
XX ABF51621
XX ID ABF51621 standard; DNA; 13 BP.
XX
XX AC ABF51621;
XX
XX XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 151618 for detecting SNP TSC0038312.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX

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XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 151618; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 1741 AACTCTCTCCCTA 1752
XX 1 AACTCTCTCCCTA 12
XX
XX RESULT 1137
XX ABC44245/c
XX ID ABC44245 standard; DNA; 13 BP.
XX
XX AC ABC44245;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 44262 for detecting SNP TSC0013010.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 44262; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 1741 AACTCTCTCCCTA 1752
XX 1 AACTCTCTCCCTA 12
XX
XX RESULT 1137
XX ABC44245/c
XX ID ABC44245 standard; DNA; 13 BP.
XX
XX AC ABC44245;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 44262 for detecting SNP TSC0013010.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 44262; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 1741 AACTCTCTCCCTA 1752
XX 1 AACTCTCTCCCTA 12
XX
XX RESULT 1137
XX ABC44245/c
XX ID ABC44245 standard; DNA; 13 BP.
XX
XX AC ABC44245;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 44262 for detecting SNP TSC0013460.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 46641; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 1699 GTGGAGTGGG 1710
XX 13 GAGGAGTGGG 2
XX
XX RESULT 1138
XX ABC46624/c
XX ID ABC46624 standard; DNA; 13 BP.
XX
XX AC ABC46624;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 46641 for detecting SNP TSC0013460.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 46641; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 7 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX

QY 1740 CAACTCCTCCCT 1751
 Db 13 CAACTCACCCT 2

RESULT 1139
 ABF38485
 ID ABF38485 standard; DNA; 13 BP.
 AC ABF38485;
 DT 21-FEB-2002 (first entry)
 XX

Oligonucleotide SEQ ID NO 138482 for detecting SNP TSC0034676.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
 Claim 1; SEQ ID NO 138482; 29pp + Sequence Listing; German.
 This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCTATCCTAAA 1759
 Db 2 CACTATCCTAAA 13

RESULT 1140
 ABF41114
 ID ABF41114 standard; DNA; 13 BP.
 AC ABF41114;
 DT 21-FEB-2002 (first entry)
 XX

DE Oligonucleotide SEQ ID NO 141111 for detecting SNP TSC0035363.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX

Oligonucleotide SEQ ID NO 141111; 29pp + Sequence Listing; German.
 This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1694 GCGTGGTGGTAG 1705
 Db 2 GCGTGGTGGTAG 13

RESULT 1141
 ABF95707/C
 ID ABF95707 standard; DNA; 13 BP.
 AC ABF95707;
 DT 22-FEB-2002 (first entry)
 XX

Oligonucleotide SEQ ID NO 195704 for detecting SNP TSC0009428.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
 Claim 1; SEQ ID NO 141111; 29pp + Sequence Listing; German.
 This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 1 A; 1 C; 8 G; 3 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1694 GCGTGGTGGTAG 1705
 Db 2 GCGTGGTGGTAG 13

RESULT 1141
 ABF95707/C
 ID ABF95707 standard; DNA; 13 BP.
 AC ABF95707;
 DT 22-FEB-2002 (first entry)
 XX

Oligonucleotide SEQ ID NO 195704 for detecting SNP TSC0009428.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX

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XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 195704; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1702 GAAGTTGGGTTA 1713
Db 13 GAAGTTAGGTTA 2

RESULT 1142
ABF95709/c
ID ABF95709 standard; DNA; 13 BP.
XX AC ABF95709;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 195706 for detecting SNP TSC0009428.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 173138; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1702 GAAGTTGGGTTA 1713
Db 13 GAAGTTAGGTTA 2

RESULT 1142
ABF73141
ID ABF73141 standard; DNA; 13 BP.
XX AC ABF73141;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 173138 for detecting SNP TSC0043123.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 173138; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences

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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 7 C; 0 G; 4 T; 0 U; 0 Other;
    Query Match 7.5%; Score 10.4; DB 1; Length 13;
    Best Local Similarity 91.7%; Pred. No. 5.4e+02;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1744 TCCTCCCTATCC 1755
DB 2 TCCTCCCTATCC 13
RESULT 1144
ABH00391/c
ID ABH00391 standard; DNA; 13 BP.
XX
AC ABH00391;
XX
DT 22-FEB-2002 (first entry)
DE
DE
DE
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR
DR
DR
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 200368; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 7 C; 1 G; 4 T; 0 U; 0 Other;
    Query Match 7.5%; Score 10.4; DB 1; Length 13;
    Best Local Similarity 91.7%; Pred. No. 5.4e+02;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1721 GGAGATGGAGAT 1732
DB 13 GGAGATGGAGAT 2
RESULT 1146
ABF82123
ID ABF82123 standard; DNA; 13 BP.
XX
AC ABF82123;
XX
DT 22-FEB-2002 (first entry)
DE
DE
DE
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
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XX OS Homo sapiens.
XX EN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 182120; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1747 TCCTATCCTAA 1758
Db 1 TCCTATCCTTA 12
RESULT 1147
ABH12820
ID ABH12820 standard; DNA; 13 BP.
XX AC ABH12820;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 212797 for detecting SNP TSC0051845.
XX SN single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 212797 for detecting SNP TSC0051845.
XX SN single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 190779; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1702 GAAGTTGGGTTA 1713
Db 1 GAAGTTGACTTA 12
RESULT 1148
ABF90782
ID ABF90782 standard; DNA; 13 BP.
XX AC ABF90782;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 190779 for detecting SNP TSC0046907.
XX SN single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 190779; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

Query Match

Best Local Similarity 7.5%; Score 10.4; DB 1; Length 13;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1703 AAGTTGGGTTAG 1714

Db 1 ATGTTGGGTTAG 12

RESULT 1149

ABF66102

ID ABF66102 standard; DNA; 13 BP.

XX AC ABF66102;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 166099 for detecting SNP TSC0007702.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 166099; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 1 C; 6 G; 2 T; 0 U; 0 Other;

Query Match

7.5%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1693 AGCGTGGTGGAA 1704

Db 2 AGCGTGGTGGAA 13

RESULT 1150

ABC05021/c

ID ABC05021 standard; DNA; 13 BP.

XX AC ABC05021;

XX DT 20-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 5012 for detecting SNP TSC0001740.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 5012; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 6 C; 1 G; 5 T; 0 U; 0 Other;

Query Match

7.5%; Score 10.4; DB 1; Length 13;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGAT 1732

Db 12 GGAGATGGAGAT 1

RESULT 1151

ABC31005/c

ID ABC31005 standard; DNA; 13 BP.

XX AC ABC31005;

XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 31022 for detecting SNP TSC0009554.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WIPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 31022; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX CC
XX Sequence 13 BP; 1 A; 8 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1721 GGAGATGGAGAT 1732
Db 12 GGAGAGGGAGAT 1
RESULT 1152
ABC32492
ID ABC32492 standard; DNA; 13 BP.
XX AC ABC32492;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 32509 for detecting SNP TSC0010144.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PD 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WIPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 32509; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX CC
XX Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1706 TTGGGTTAGGAG 1717
Db 2 TTAGGTTAGGAG 13
RESULT 1153
ABC84322
ID ABC84322 standard; DNA; 13 BP.
XX AC ABC84322;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 84339 for detecting SNP TSC0021205.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WIPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 84339; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 0 C; 4 G; 3 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATT 1733

Db 1 GAGATGAAGATT 12

RESULT 1154

ABC87616
 ID ABC87616 standard; DNA; 13 BP.

AC ABC87616;

DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 87633 for detecting SNP TSC0022046.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 87633; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATT 1733

Db 2 GAGATGGAGATT 13

RESULT 1155

ABC63274
 ID ABC63274 standard; DNA; 13 BP.

XX ABC63274;

DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 63291 for detecting SNP TSC0016721.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 63291; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 1 A; 0 C; 7 G; 4 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1697 TGCTGGAAGTTG 1708

XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX XX WPI; 2001-657177/75.
 XX DR
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX XX
 XX PS Claim 1; SEQ ID NO 120153; 29pp + Sequence Listing; German.
 XX XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX XX
 SQ Sequence 13 BP; 5 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1746 CTCCTATCCTA 1757
 Db 13 CTACCTATCCTA 2
 RESULT 1159
 ABF20157
 ID ABF20157 standard; DNA; 13 BP.
 AC ABF20157;
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 120154 for detecting SNP TSC0029992.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX XX
 XX PS Claim 1; SEQ ID NO 120154; 29pp + Sequence Listing; German.
 XX XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX XX
 SQ Sequence 13 BP; 3 A; 5 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1746 CTCCTATCCTA 1757
 Db 1 CTACCTATCCTA 12
 RESULT 1160
 ABF30620
 ID ABF30620 standard; DNA; 13 BP.
 XX AC ABF30620;
 XX DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 130617 for detecting SNP TSC0032620.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 PD 06-APR-2001; 2001WO-IB000713.
 PF 07-APR-2000; 2000DE-01019173.
 PR (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX XX
 XX PS Claim 1; SEQ ID NO 130617; 29pp + Sequence Listing; German.
 XX XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX XX

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SQ Sequence 13 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 1 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1710 GTTAGGAGTACG 1721
|||||
Db 1 GTTAGGAGTAA 12

RESULT 1161
ABF32047/C
ID ABF32047 standard; DNA; 13 BP.
XX AC
XX ABF32047;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 132044 for detecting SNP TSC0032957.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX AC ABF32047;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 132044 for detecting SNP TSC0032957.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX DT 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 132044; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 4 A; 8 C; 0 G; 1 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 4 A; 8 C; 0 G; 1 T; 0 U; 0 Other;
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1704 AGTTGGGTAGG 1715
|||||
Db 12 AGTTGGGTGGG 1

RESULT 1162
ABF32777/C
ID ABF32777 standard; DNA; 13 BP.
XX AC
XX ABF32777;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 132774 for detecting SNP TSC0033108.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX DT 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 132774; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 1 Other;
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1701 GGAAGTGGGTT 1712
|||||
Db 13 GGAAGTGGGTT 2

RESULT 1163
ABF74437/C
ID ABF74437 standard; DNA; 13 BP.
XX AC
XX ABF74437;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 174434 for detecting SNP TSC0043388.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
```

XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX FS Claim 1; SEQ ID NO 174434; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 1 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1702 GAGTTGGGTTA 1713
XX Db | ||||| |||||
XX 13 GTAGTTGGGTTA 2
XX
XX RESULT 1164
XX ABH00387/C
XX ID ABH00387 standard; DNA; 13 BP.
XX AC ABH00387;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 200364 for detecting SNP TSC0049306.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PF Claim 1; SEQ ID NO 200364; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1721 GGAGATGGAGAT 1732
XX Db | ||||| |||||
XX 13 GGAGATAGAGAT 2
XX
XX RESULT 1165
XX ABF79387
XX ID ABF79387 standard; DNA; 13 BP.
XX AC ABF79387;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 179384 for detecting SNP TSC0044413.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 179384; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCCACTCTC 1747
DB 2 CTCCCACTACT 13

RESULT 1166
ABF58666/c
ID ABF58666 standard; DNA; 13 BP.
XX
AC ABF58666;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 158663 for detecting SNP TSC0039936.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 158663; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 7 G; 3 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1737 TCCCACTCTCTC 1748
DB 12 TCCCACTCTCTC 1

RESULT 1167
ABH35975
ID ABH35975 standard; DNA; 13 BP.
XX
AC ABH35975;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 235952 for detecting SNP TSC0005348.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 235952; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCTATCTCTAAA 1759
DB 2 CCTATCTCTAAA 13

RESULT 1168
ABF87483
ID ABF87483 standard; DNA; 13 BP.
XX
AC ABF87483;
XX
DT 22-FEB-2002 (first entry)

QY 1737 TCCCACTCTCTC 1748
DB 12 TCCCACTCTCTC 1

RESULT 1167
ABH35975
ID ABH35975 standard; DNA; 13 BP.
XX
AC ABH35975;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 235952 for detecting SNP TSC0005348.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 235952; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCTATCTCTAAA 1759
DB 2 CCTATCTCTAAA 13

RESULT 1168
ABF87483
ID ABF87483 standard; DNA; 13 BP.
XX
AC ABF87483;
XX
DT 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 187480 for detecting SNP TSC0046214.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 187480; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1748 CCTATCCTAAA 1759
 Db |||||
 2 CCTTTCCTAAA 13
 RESULT 1169
 ABH13554/c
 ID ABH13554 standard; DNA; 13 BP.
 AC
 XX ABH13554;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 213531 for detecting SNP TSC0051991.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 213531; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 0 C; 7 G; 3 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1737 TCCCAACTCCTC 1748
 Db |||||
 13 TCCCAACTCCAC 2
 RESULT 1170
 ABH50618/c
 ID ABH50618 standard; DNA; 13 BP.
 XX
 AC ABH50618;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 250595 for detecting SNP TSC0061192.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1747 TCCCTATCCTAA 1758
Db 1 TCTCTATCCTAA 12
RESULT 1172
ABH63202
ID ABH63202 standard; DNA; 13 BP.
XX
AC ABH63202;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 263179 for detecting SNP TSC0063836.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01C19173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PP WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 263179; 29pp + Sequence Listing; German.
XX
SQ This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 8 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1746 CTCCTATCCTA 1757
Db 13 CTCCTATCCTA 2
RESULT 1171
ABH61555
ID ABH61555 standard; DNA; 13 BP.
XX
AC ABH61555;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 261532 for detecting SNP TSC0063469.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PP WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 261532; 29pp + Sequence Listing; German.
XX
SQ This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1721 GGAGATGGAGAT 1732
Db 1 GTAGATGGAGAT 12

```
RESULT 1173
ABC00338
ID ABC00338 standard; DNA; 13 BP.
XX
AC ABC00338;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 329 for detecting SNP TSC0000062.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 329; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1701 GGAAGTTGGGTT 1712
DB 1 GGAAGTTGGGAT 12
RESULT 1174
ABC77733/c
ID ABC77733 standard; DNA; 13 BP.
XX
AC ABC77733;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 77750 for detecting SNP TSC0019796.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 77750; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 7 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1708 GGGTTAGGAGTA 1719
DB 13 GGGTTGGAGTA 2
RESULT 1175
ABC04731
ID ABC04731 standard; DNA; 13 BP.
XX
AC ABC04731;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 4722 for detecting SNP TSC0001698.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
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Mon Aug 30 09:26:45 2004

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XX PI      and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC      range of diseases including immune system, gastrointestinal, respiratory,
XX CC      central nervous system, cardiovascular and metabolic disorders. The
XX CC      oligomers are also used for detecting cell type differentiation. ABC00010
XX CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC      represent the oligomers described in the invention. NOTE: The sequence
XX CC      data for this patent did not form part of the printed specification, but
XX CC      was obtained in electronic format from WIPO at
XX CC      ftp.wipo.int/pub/published_pct_sequences
XX SQ      Sequence 13 BP; 1 A; 2 C; 6 G; 4 T; 0 U; 0 Other;

XX      Query Match          7.5%; Score 10.4; DB 1; Length 13;
XX      Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

XX QY      1705 GTTGGTTCGGA 1716
XX      |||||
XX      2 GTTGGTTCGGA 13

XX DB      RESULT 1177
XX      ABC57210
XX      ID ABC57210 standard; DNA; 13 BP.
XX AC      ABC57210;
XX XX      21-FEB-2002 (first entry)
XX DT      Oligonucleotide SEQ ID NO 57227 for detecting SNP TSC0015477.
XX DE      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX      Homo sapiens.
XX XX      WO200177384-A2.
XX XX      18-OCT-2001.
XX XX      06-APR-2001; 2001WO-IB000713.
XX XX      07-APR-2000; 2000DE-01019173.
XX XX      (EPIG-) EPIGENOMICS AG.
XX XX      Olek A, Piepenbrock C, Berlin K;
XX XX      WPI; 2001-657177/75.
XX XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
XX XX      designed to detect single-nucleotide polymorphisms and cytosine
XX XX      methylation status.
XX XX      Claim 1; SEQ ID NO 57227; 29pp + Sequence Listing; German.
XX XX      This invention describes novel oligonucleotide primers or peptide nucleic
XX XX      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX XX      and cytosine methylation status in chemically pretreated genomic DNA. The
XX XX      oligomers are used for diagnosis and/or prognosis of cancer and a
XX XX      range of diseases including immune system, gastrointestinal, respiratory,
XX XX      central nervous system, cardiovascular and metabolic disorders. The
XX XX      oligomers are also used for detecting cell type differentiation. ABC00010
XX XX      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX XX      represent the oligomers described in the invention. NOTE: The sequence
XX XX      data for this patent did not form part of the printed specification, but
XX XX      was obtained in electronic format from WIPO at
XX XX      ftp.wipo.int/pub/published_pct_sequences
XX SQ      Sequence 13 BP; 4 A; 1 C; 4 G; 3 T; 0 U; 1 Other;

XX      Query Match          7.5%; Score 10.4; DB 1; Length 13;
XX      Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

XX QY      1741 AACTCTCTCCCTA 1752
XX      |||||
XX      2 AACTCTCTCCAA 13

XX DB      RESULT 1176
XX      ABC31808
XX      ID ABC31808 standard; DNA; 13 BP.
XX AC      ABC31808;
XX XX      20-FEB-2002 (first entry)
XX DT      Oligonucleotide SEQ ID NO 31825 for detecting SNP TSC0009913.
XX DE      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX      Homo sapiens.
XX XX      WO200177384-A2.
XX XX      18-OCT-2001.
XX XX      06-APR-2001; 2001WO-IB000713.
XX XX      07-APR-2000; 2000DE-01019173.
XX XX      (EPIG-) EPIGENOMICS AG.
XX XX      Olek A, Piepenbrock C, Berlin K;
XX XX      WPI; 2001-657177/75.
XX XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
XX XX      designed to detect single-nucleotide polymorphisms and cytosine
XX XX      methylation status.
XX XX      Claim 1; SEQ ID NO 31825; 29pp + Sequence Listing; German.
XX XX      This invention describes novel oligonucleotide primers or peptide nucleic
XX XX      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

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Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATCGAGATT 1733
 DB 1 GAGATCGAGATT 12

RESULT 1178

ABC40890
 ID ABC40890 standard; DNA; 13 BP.

AC ABC40890;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 40907 for detecting SNP TSC0012352.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

OS WO200177384-A2.

XX WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 40907; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 1 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATCGAGATT 1733

DB 1 GAGATCGAGATT 12

RESULT 1179

ABC40891/c

ID ABC40891 standard; DNA; 13 BP.

XX

AC ABC40891;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 40908 for detecting SNP TSC0012352.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 40908; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 4 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATCGAGATT 1733

DB 13 GAGATCGAGATT 2

RESULT 1180

ABF18045/c

ID ABF18045 standard; DNA; 13 BP.

XX ABF18045;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 118042 for detecting SNP TSC0029517.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC XX
 CC SQ Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1723 AGATGGGATTG 1734
 DB 13 AGATGGGATTG 2
 RESULT 1183
 ABF30621/c
 ID ABF30621 standard; DNA; 13 BP.
 XX
 AC ABF30621;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 130618 for detecting SNP TSC0032620.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 130618; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC XX
 CC SQ Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1710 GTTAGGATTACG 1721

DB 13 GTTAGGATTACG 2
 RESULT 1184
 ABF34098
 ID ABF34098 standard; DNA; 13 BP.
 XX
 AC ABF34098;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 134095 for detecting SNP TSC0033433.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 134095; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC XX
 CC SQ Sequence 13 BP; 5 A; 1 C; 6 G; 1 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1714 GGAGTACGGAGA 1725
 DB 1 GGAGTACGGAGA 12
 RESULT 1185
 ABF95706
 ID ABF95706 standard; DNA; 13 BP.
 XX
 AC ABF95706;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 195703 for detecting SNP TSC0009428.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 195703; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;
 XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1702 GAAGTTGGGTTA 1713
 DB 1 GAAGTTAGGTTA 12
 RESULT 1186
 ABH26445
 ID ABH26445 standard; DNA; 13 BP.
 XX AC ABH26445;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 226422 for detecting SNP TSC0055194.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX Claim 1; SEQ ID NO 158664; 29pp + Sequence Listing; German.

PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 226422; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
 XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1737 TCCCAACTCTCTC 1748
 DB 2 TCCCAACTCTCTC 13
 RESULT 1187
 ABF58667
 ID ABF58667 standard; DNA; 13 BP.
 XX AC ABF58667;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 158664 for detecting SNP TSC0039936.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 158664; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 7 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1737 TCCCAACTCCTC 1748
Db 2 TCCCAACACCTC 13
|||||

RESULT 1188
ABH37502/c
ID ABH37502 standard; DNA; 13 BP.
AC ABH37502;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237479 for detecting SNP TSC0057920.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX
PS Claim 1; SEQ ID NO 237479; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 1 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1750 CTATCCTAAAGG 1761
Db 12 CTATCCTAAAGG 1
|||||

RESULT 1189
ABF87482/c
ID ABF87482 standard; DNA; 13 BP.
XX
AC ABF87482;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 187479 for detecting SNP TSC0046214.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX
PS Claim 1; SEQ ID NO 187479; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1748 CCTATCCTCTAA 1759
Db 12 CCTCTTCTCTAA 1
|||||

RESULT 1190

```

ABH12821/c
ID ABH12821 standard; DNA; 13 BP.
XX
AC ABH12821;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212798 for detecting SNP TSC0051845.
XX
KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 212798; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABH00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1702 GAAGTTGGTTA 1713
Db 13 GAAGTTGAGTTA 2
|||||
RESULT 1191
ABF66672
ID ABF66672 standard; DNA; 13 BP.
XX
AC ABF66672;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 16669 for detecting SNP TSC0041743.
XX
KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;

ABH12821/c
ID ABH12821 standard; DNA; 13 BP.
XX
AC ABH12821;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212798 for detecting SNP TSC0051845.
XX
KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 212798; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABH00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1702 GAAGTTGGTTA 1713
Db 13 GAAGTTGAGTTA 2
|||||
RESULT 1191
ABF66672
ID ABF66672 standard; DNA; 13 BP.
XX
AC ABF66672;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 16669 for detecting SNP TSC0041743.
XX
KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;

```


CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 1 A; 7 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1713 AGGAGTACGAG 1724
|||||
DB 12 AGGAGTAAGGAG 1

RESULT 1200
ABF95708
ID ABF95708 standard; DNA; 13 BP.
XX AC ABF95708;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 195705 for detecting SNP TSC0009428.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 195705; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 4 A; 1 C; 5 G; 3 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1702 GAAGTGGGTTA 1713
|||||
DB 1 GAAGTCGGGTTA 12

RESULT 1201
ABF73140/c
ID ABF73140 standard; DNA; 13 BP.
XX AC ABF73140;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 173137 for detecting SNP TSC0043123.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 173137; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 4 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1744 TCCTCCCTATCC 1755
|||||
DB 12 TCCTCCCAATCC 1

RESULT 1202
ABF54762
ID ABF54762 standard; DNA; 13 BP.
XX AC ABF54762;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 154759 for detecting SNP TSC0039120.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 154759; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 2 A; 0 C; 6 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1703 AAGTTGGGTTAG 1714
Db 1 AGGTTGGGTTAG 12
RESULT 1203
ABF61036
ID ABF61036 standard; DNA; 13 BP.
XX
XX AC ABF61036;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 161033 for detecting SNP TSC0040546.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX DE 18-OCT-2001.
XX
XX Oligonucleotide SEQ ID NO 161033 for detecting SNP TSC0040546.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX DE 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 161033; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1723 AGATGGAGATTG 1734
Db 1 AGATGGAGATTG 12
RESULT 1204
ABH36660/C
ID ABH36660 standard; DNA; 13 BP.
XX
XX AC ABH36660;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 236637 for detecting SNP TSC0057760.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 236637; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1741 AACTCTCTCCCTA 1752
Db 12 AAATCTCTCCCTA 1

RESULT 1205
ABH36661
ID ABH36661 standard; DNA; 13 BP.

XX AC ABH36661;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 236638 for detecting SNP TSC0057760.

XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB0000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 236638; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1741 AACTCTCTCCCTA 1752
Db 2 AAATCTCTCCCTA 13

RESULT 1206

ABF65198

ID ABF65198 standard; DNA; 13 BP.

XX AC ABF65198;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 165195 for detecting SNP TSC0041433.

XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB0000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 165195; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1701 GGAAGTTGGGTT 1712
Db 2 GGAAGTTGGGTT 13

RESULT 1207

ABH50619

ID ABH50619 standard; DNA; 13 BP.

XX AC ABH50619;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 250596 for detecting SNP TSC00611192.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 250596; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABF05796, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 13 BP; 2 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
XX XX
XX CC Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX CC Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX XX
XX QY 1746 CTCCTATCCTA 1757
XX XX
XX DB 1 CTCCTACCCTA 12
XX XX
XX RESULT 1208
XX ABF05796/c
XX ID ABF05796 standard; DNA; 13 BP.
XX XX
XX AC ABF05796;
XX XX
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 105793 for detecting SNP TSC0026522.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX

PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 105793; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABF05796, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 13 BP; 1 A; 1 C; 8 G; 3 T; 0 U; 0 Other;
XX XX
XX CC Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX CC Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX XX
XX QY 1735 GCTCCCAACTCC 1746
XX XX
XX DB 12 GCTCCCAACACC 1
XX XX
XX RESULT 1209
XX ABC33106/c
XX ID ABC33106 standard; DNA; 13 BP.
XX XX
XX AC ABC33106;
XX XX
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 33123 for detecting SNP TSC0010560.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX

```
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 33123; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1748 CCTATCCTCTAAA 1759
Db 12 CCTATCCTCTAAA 1
XX
RESULT 1210
ABC33107
ID ABC33107 standard; DNA; 13 BP.
XX
AC ABC33107;
XX
XX 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 33124 for detecting SNP TSC0010560.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 33124; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1748 CCTATCCTCTAAA 1759
Db 12 CCTATCCTCTAAA 1
XX
RESULT 1211
ABC40066
ID ABC40066 standard; DNA; 13 BP.
XX
AC ABC40066;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 40083 for detecting SNP TSC0012198.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 40083; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 7 G; 3 T; 0 U; 1 Other;
XX
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 1705 GTGGGTTAGGA 1716
 Db 1 GTGGGTTAGGA 12
 RESULT 1212
 ABC66989
 ID ABC66989 standard; DNA; 13 BP.
 XX AC ABC66989;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 67006 for detecting SNP TSC0017552.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WIPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 67006; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
 XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1747 TCCCTATCCTAA 1758
 Db 1 TCCATATCCTAA 12
 RESULT 1213
 ABH26444/C
 ID ABH26444 standard; DNA; 13 BP.
 XX AC ABH26444;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 235951 for detecting SNP TSC0005348.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.

DE Oligonucleotide SEQ ID NO 226421 for detecting SNP TSC0055194.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WIPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 226421; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
 XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1737 TCCCAACTCCTC 1748
 Db 12 TCCCAACTACTC 1
 RESULT 1214
 ABH35974/C
 ID ABH35974 standard; DNA; 13 BP.
 XX AC ABH35974;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 235951 for detecting SNP TSC0005348.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.

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XX 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 235951; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1748 CCTATCCTCTTAA 1759
Db 12 CCTATCCTCTTAA 1
RESULT 1216
ABC24272/c
ID ABC24272 standard; DNA; 13 BP.
XX AC ABC24272;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 24289 for detecting SNP TSC0005767.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 235951; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1748 CCTATCCTCTTAA 1759
Db 12 CCTATCCTCTTAA 1
RESULT 1215
ABC24272/c
ID ABC24272 standard; DNA; 13 BP.
XX AC ABC24272;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 24289 for detecting SNP TSC0005767.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 24289; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1748 CCTATCCTCTTAA 1759
Db 12 CCTATCCTCTTAA 1
RESULT 1216
ABC252599
ID ABC252599 standard; DNA; 13 BP.
XX AC ABC252599;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 52616 for detecting SNP TSC0014588.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 52616; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at

```

CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.4e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1737 TCCCACTCTC 1748

Db 1 TCCCACTACTC 12

RESULT 1217

ABC05020

ID ABC05020 standard; DNA; 13 BP.

XX AC ABC05020;

XX XX 20-FEB-2002 (first entry)

DT DT

XX XX

DE Oligonucleotide SEQ ID NO 5011 for detecting SNP TSC0001740.

XX XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX XX

XX PN WO200177384-A2.

XX XX

XX PD 18-OCT-2001.

XX XX

PF 06-APR-2001; 2001WO-IB000713.

XX XX

PR 07-APR-2000; 2000DE-01019173.

XX XX

PA (EPIG-) EPIGENOMICS AG.

XX XX

PI Olek A, Piepenbrock C, Berlin K;

XX XX

DR WPI; 2001-657177/75.

XX XX

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PT

PS Claim 1; SEQ ID NO 5011; 29pp + Sequence Listing; German.

XX XX

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 1 C; 6 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.4e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1721 GGAGATCGAGAT 1732

Db 2 GGAGACGGAGAT 13

RESULT 1218

ABC0340/C

ID ABC0340 standard; DNA; 13 BP.

XX AC ABC0340;

XX XX 21-FEB-2002 (first entry)

DT DT

XX XX

DE Oligonucleotide SEQ ID NO 80357 for detecting SNP TSC0020399.

XX XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX XX

XX PN WO200177384-A2.

XX XX

XX PD 18-OCT-2001.

XX XX

PF 06-APR-2001; 2001WO-IB000713.

XX XX

PR 07-APR-2000; 2000DE-01019173.

XX XX

PA (EPIG-) EPIGENOMICS AG.

XX XX

PI Olek A, Piepenbrock C, Berlin K;

XX XX

DR WPI; 2001-657177/75.

XX XX

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PT

PS Claim 1; SEQ ID NO 80357; 29pp + Sequence Listing; German.

XX XX

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.4e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1742 ACTCTCCCTAT 1753

Db 12 ACTCTCCCTAT 1

RESULT 1219

ABC31800

ID ABC31800 standard; DNA; 13 BP.

XX AC ABC31800;

XX XX 20-FEB-2002 (first entry)

DT DT

XX XX

DE Oligonucleotide SEQ ID NO 31817 for detecting SNP TSC0009913.

XX XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

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XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 82544; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 1 C; 6 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
OY 1705 GTTGGGTTAGGA 1716
Db 2 GTTGGGTTAGGA 13
|||||||
RESULT 1220
ABC82527
ID ABC82527 standard; DNA; 13 BP.
XX AC ABC82527;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 82544 for detecting SNP TSC0020825.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 11721; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
OY 1741 AACTCTCTCCCTA 1752
Db 2 AACTCTCTACCTA 13
|||||||
RESULT 1221
ABC11714
ID ABC11714 standard; DNA; 13 BP.
XX AC ABC11714;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 11721 for detecting SNP TSC0002832.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 11721; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

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CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 0 C; 7 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1704 AGTTGGGTTAGG 1715
 Db 1 AGTTGGGTTGG 12
 |||||
 |||||

RESULT 1222
 ABC63275/c
 ID ABC63275 standard; DNA; 13 BP.
 XX AC ABC63275;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 63292 for detecting SNP TSC0016721.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 63292; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 7 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1697 TGGTGAAGTTG 1708
 Db 13 TGGTGGGAGTTG 2
 |||||
 |||||

RESULT 1223
 ABC14559
 ID ABC14559 standard; DNA; 13 BP.
 XX AC ABC14559;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 14566 for detecting SNP TSC0003286.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 14566; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 9 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1736 CTCGCCACTCCT 1747
 Db 2 CTCGCCACTCCT 13
 |||||
 |||||

RESULT 1224
 ABC40888
 ID ABC40888 standard; DNA; 13 BP.
 XX AC ABC40888;

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 132772; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 7 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1701 GGAAGTGGGTT 1712

Db 13 GGAAGTGGGTT 2

RESULT 1227

ABF92685/c

ID ABF92685 standard; DNA; 13 BP.

AC ABF92685;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 192682 for detecting SNP TSC0047412.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PS (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 192682; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1697 TGGTGAAGTTG 1708

Db 12 TGGTGAAGTTG 1

RESULT 1228

ABF54763/c

ID ABF54763 standard; DNA; 13 BP.

AC ABF54763;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 154760 for detecting SNP TSC0039120.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PS (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 154760; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 5 A; 6 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1703 AAGTTGGGTTAG 1714

|||||

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.	Homo sapiens.
WO200177384-A2.	WO200177384-A2.
18-OCT-2001.	18-OCT-2001.
06-APR-2001; 2001WO-IB000713.	06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.	07-APR-2000; 2000DE-01019173.
(EPIG-) EPIGENOMICS AG.	(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;	Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.	WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
Claim 1; SEQ ID NO 182119; 29pp + Sequence Listing; German.	Claim 1; SEQ ID NO 182119; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC000010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI99989 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC000010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI99989 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;	Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13; Best Local Similarity 91.7%; Pred. No. 5.4e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0	Query Match 7.5%; Score 10.4; DB 1; Length 13; Best Local Similarity 91.7%; Pred. No. 5.4e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0
1747 TCCCTATCCTAA 1758	1747 TCCCTATCCTAA 1758
13 TCCCTATCCTTA 2	13 TCCCTATCCTTA 2
RESULT 1231	RESULT 1231
ABH36975/c	ABH36975/c
ID ABH36975 standard; DNA; 13 BP.	ID ABH36975 standard; DNA; 13 BP.
AC ABH36975;	AC ABH36975;
22-FEB-2002 (first entry)	22-FEB-2002 (first entry)
Oligonucleotide SEQ ID NO 236952 for detecting SNP TSC0057811.	Oligonucleotide SEQ ID NO 236952 for detecting SNP TSC0057811.
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.	Homo sapiens.
WO200177384-A2.	WO200177384-A2.
18-OCT-2001.	18-OCT-2001.
06-APR-2001; 2001WO-IB000713.	06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.	07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 236952; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 6 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1726 TGGAGATTGGCT 1737
 Db 12 TGGAGATTGGTT 1
 RESULT 1232
 ABH13559
 ID ABH13559 standard; DNA; 13 BP.
 XX AC ABH13559;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 213536 for detecting SNP TSC0051991.
 XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 213536; 29pp + Sequence Listing; German.

CC CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 2 A; 7 C; 1 G; 3 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1737 TCCCACTCCGTC 1748
 Db 1 TCCCACTCCGC 12
 RESULT 1233
 ABF63800/C
 ID ABF63800 standard; DNA; 13 BP.
 XX AC ABF63800;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 163797 for detecting SNP TSC0010383.
 XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 163797; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

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SQ Sequence 13 BP; 5 A; 0 C; 8 G; 0 T; 0 U; 0 Other;
  Query Match          7.5%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 5.4e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1745 CCTCCCTATCCT 1756
Db 12 CCTCCCTTCCT 1

RESULT 1234
ABC47685/c
ID ABC47685 standard; DNA; 13 BP.
XX
AC ABC47685;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 47702 for detecting SNP TSC0013677.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC47685;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 47702 for detecting SNP TSC0013677.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC47685;
XX
DT 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPTG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 47702; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
  Query Match          7.5%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 5.4e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1704 AGTTGGGTTAGG 1715
Db 12 ATTGGGTTAGG 1

RESULT 1235
ABC31004
ID ABC31004 standard; DNA; 13 BP.
XX
AC ABC31004;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 31021 for detecting SNP TSC0009554.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC31004;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 31021 for detecting SNP TSC0009554.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC31004;
XX
DT 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPTG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 31021; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 8 G; 1 T; 0 U; 0 Other;
  Query Match          7.5%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 5.4e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGAT 1732
Db 2 GGAGAGGGAGAT 13

RESULT 1236
ABC57211/c
ID ABC57211 standard; DNA; 13 BP.
XX
AC ABC57211;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 57228 for detecting SNP TSC0015477.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

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XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 57228; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 4 C; 1 G; 4 T; 0 U; 1 Other;
 XX
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 4 C; 1 G; 4 T; 0 U; 1 Other;
 XX
 XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 XX QY 1722 GAGATGAGATT 1733
 XX DB 13 GAGATCGAGATT 2
 XX
 XX RESULT 1237
 XX ABC82526/c
 XX ID ABC82526 standard; DNA; 13 BP.
 XX AC ABC82526;
 XX XX 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 82543 for detecting SNP TSC0020825.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX XX 18-OCT-2001.
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 82543 for detecting SNP TSC0020825.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX XX 18-OCT-2001.
 XX PD 06-APR-2001; 2001WO-IB000713.
 XX PF 07-APR-2000; 2000DE-01019173.
 XX PR (EPIG-) EPIGENOMICS AG.
 XX PA Olek A, Piepenbrock C, Berlin K;
 XX PI WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 82543; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 4 C; 1 G; 4 T; 0 U; 1 Other;

DR WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 82543; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
 SQ
 XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 XX QY 1741 AACTCTCCTCCTTA 1752
 XX DB 12 AACTCTCCTACCTA 1
 XX
 XX RESULT 1238
 XX ABC84323/c
 XX ID ABC84323 standard; DNA; 13 BP.
 XX AC ABC84323;
 XX XX 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 84340 for detecting SNP TSC0021205.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX XX 18-OCT-2001.
 XX DT 06-APR-2001; 2001WO-IB000713.
 XX DE 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 84340; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 4 C; 0 G; 5 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATT 1733

Db 13 GAGATGAGATT 2

RESULT 1239

ABF16774
 ID ABF16774 standard; DNA; 13 BP.

AC ABF16774;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 116771 for detecting SNP TSC0029218.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 116771; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 1 C; 5 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1711 TTAGGAGTACGG 1722

Db 1 TTAGAAGTACGG 12

RESULT 1240

ABF18154
 ID ABF18154 standard; DNA; 13 BP.

XX ABF18154;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 118151 for detecting SNP TSC0029550.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 118151; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 0 C; 8 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1714 GGAGTAGGGAGA 1725

Db 2 GGAGTAGGGAGA 13

RESULT 1241

ABF38484/C
 ID ABF38484 standard; DNA; 13 BP.

XX ABF38484;

DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 138481 for detecting SNP TSC0034676.
 XX PR
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS
 XX Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 138481; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1748 CCTATCTCTAA 1759
 Db 12 CACTATCTCTAA 1
 RESULT 1242
 ABF43731
 ID ABF43731 standard; DNA; 13 BP.
 AC ABF43731;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 143728 for detecting SNP TSC0036088.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS
 XX Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.
 XX PR
 PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 143728; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 2 A; 7 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1738 CCCAACTCTCTCC 1749
 Db 1 CCCAACTCTCTCC 12
 RESULT 1243
 ABF51620/C
 ID ABF51620 standard; DNA; 13 BP.
 AC ABF51620;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 151617 for detecting SNP TSC0038312.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS
 XX Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 151617; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX CC range of diseases including immune system, gastrointestinal, respiratory,

XX CC central nervous system, cardiovascular and metabolic disorders. The

XX CC oligomers are also used for detecting cell type differentiation. ABC00010

XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

XX CC represent the oligomers described in the invention. NOTE: The sequence

XX CC data for this patent did not form part of the printed specification, but

XX CC was obtained in electronic format from WIPO at

XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.4e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1741 AACTCTCTCCCTA 1752

DB 13 AAATCTCTCCCTA 2

RESULT 1244

ABF53251/C

ID ABF53251 standard; DNA; 13 BP.

XX AC ABF53251;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 153248 for detecting SNP TSC0038744.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 153248; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX and cytosine methylation status in chemically pretreated genomic DNA. The

XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX range of diseases including immune system, gastrointestinal, respiratory,

XX central nervous system, cardiovascular and metabolic disorders. The

XX oligomers are also used for detecting cell type differentiation. ABC00010

XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

XX represent the oligomers described in the invention. NOTE: The sequence

XX data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 5 C; 1 G; 2 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.4e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1710 GTTAGGAGTACG 1721

DB 13 GTTAGGAGTACG 2

RESULT 1245

ABF61037/C

ID ABF61037 standard; DNA; 13 BP.

XX AC ABF61037;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 161034 for detecting SNP TSC0040546.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 161034; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX and cytosine methylation status in chemically pretreated genomic DNA. The

XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX range of diseases including immune system, gastrointestinal, respiratory,

XX central nervous system, cardiovascular and metabolic disorders. The

XX oligomers are also used for detecting cell type differentiation. ABC00010

XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

XX represent the oligomers described in the invention. NOTE: The sequence

XX data for this patent did not form part of the printed specification, but

XX was obtained in electronic format from WIPO at

XX ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.4e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1723 AGATGGAGATTG 1734

DB 13 AGATGGAGATTG 2


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RESULT 1246
ABH36974
ID ABH36974 standard; DNA; 13 BP.
XX
XX AC ABH36974;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 236951 for detecting SNP TSC0057811.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPiG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX PS Claim 1; SEQ ID NO 236951; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;
SQ
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1726 TGGAGATTGGCT 1737
XX
XX DB 2 TGGAGATTGGTT 13
XX
XX RESULT 1247
ABH13555
ID ABH13555 standard; DNA; 13 BP.
XX
XX AC ABH13555;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 213532 for detecting SNP TSC0051991.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPiG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX PS Claim 1; SEQ ID NO 213532; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;
SQ
XX
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1737 TCCCACTCCCTC 1748
XX
XX DB 1 TCCCACTCCAC 12
XX
XX RESULT 1248
ABC47422/C
ID ABC47422 standard; DNA; 13 BP.
XX
XX AC ABC47422;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 47439 for detecting SNP TSC0013623.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPiG-) EPIGENOMICS AG.

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XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 47439; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1742 ACTCTCTCTAT 1753
DB 12 ACTCTCTCTAT 1
RESULT 1249
ABC47684
ID ABC47684 standard; DNA; 13 BP.
XX AC ABC47684;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 47701 for detecting SNP TSC0013677.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 47701; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1742 ACTCTCTCTAT 1753
DB 12 ACTCTCTCTAT 1
RESULT 1250
ABC75934/C
ID ABC75934 standard; DNA; 13 BP.
XX AC ABC75934;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 75951 for detecting SNP TSC0019457.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 75951; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1704 AGTTGGGTAGG 1715
DB 2 ATTTGGGTAGG 13
RESULT 1250
ABC75934/C
ID ABC75934 standard; DNA; 13 BP.
XX AC ABC75934;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 75951 for detecting SNP TSC0019457.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 75951; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCCTATCTCTTAA 1759
 DB 13 CCCTAACTTAA 2

RESULT 1251
 ABC77732
 ID ABC77732 standard; DNA; 13 BP.
 AC ABC77732;
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 77749 for detecting SNP TSC0019796.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 77749; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 0 C; 7 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1708 GGGTTAGGAGTA 1719
 DB 1 GGGTTGGAGTA 12

RESULT 1252

ABF05797
 ID ABF05797 standard; DNA; 13 BP.

XX

AC ABF05797;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 105794 for detecting SNP TSC0026522.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 105794; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 8 C; 1 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1735 GCTCCCACTCC 1746
 DB 2 GCTCCCACTCC 13

RESULT 1253

ABC31003/c
 ID ABC31003 standard; DNA; 13 BP.

XX ABC31003;

AC ABC31003;
 XX 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 31020 for detecting SNP TSC0009554.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-1B000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 31020; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 1 A; 7 C; 0 G; 5 T; 0 U; 0 Other;

XX Query Match 7.5%; Score 10.4; DB 1; Length 13;

XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;

XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGAT 1732

DB 12 GGAGAGAGGAGAT 1

RESULT 1254

ABC09989

ID ABC09989 standard; DNA; 13 BP.

XX AC ABC09989;

XX 20-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 9980 for detecting SNP TSC0002575.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-1B000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 116772; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

XX Query Match 7.5%; Score 10.4; DB 1; Length 13;

XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;

XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1741 AACTCTCTCCCTA 1752

DB 1 ACCTCTCTCCCTA 12

RESULT 1255

ABF16775/C

ID ABF16775 standard; DNA; 13 BP.

XX AC ABF16775;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 116772 for detecting SNP TSC0029218.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-1B000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 116772; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 5 C; 1 G; 4 T; 0 U; 0 Other;
 SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1711 TTAGGAGTACGG 1722
 ||||| |||||
 Db 13 TTAGGAGTACGG 2

RESULT 1256
 ABF34099/c
 ID ABF34099 standard; DNA; 13 BP.
 AC
 AC ABF34099;
 XX
 DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 134096 for detecting SNP TSC0033433.
 DE
 DE
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 PD 18-OCT-2001.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 134096; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 6 C; 1 G; 5 T; 0 U; 0 Other;
 SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1714 GGAGTACGGAGA 1725
 ||||| |||||
 Db 13 GGAGTACGGAGA 2

RESULT 1257
 ABF41115/c
 ID ABF41115 standard; DNA; 13 BP.
 AC
 AC ABF41115;
 XX
 DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 141112 for detecting SNP TSC0035363.
 DE
 DE
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 PD 18-OCT-2001.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 141112; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 1 A; 6 C; 1 G; 5 T; 0 U; 0 Other;
 SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1714 GGAGTACGGAGA 1725
 ||||| |||||
 Db 13 GGAGTACGGAGA 2

RESULT 1258
 ABH00386
 ID ABH00386 standard; DNA; 13 BP.
 AC
 AC ABH00386;
 XX
 DT 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 200363 for detecting SNP TSC0049306.
 DE

Db 13 GGATACGGAGA 2
 ||||| |||||
 ||||| |||||

RESULT 1257
 ABF41115/c
 ID ABF41115 standard; DNA; 13 BP.
 AC
 AC ABF41115;
 XX
 DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 141112 for detecting SNP TSC0035363.
 DE
 DE
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 PD 18-OCT-2001.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 141112; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 8 C; 1 G; 1 T; 0 U; 0 Other;
 SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 5.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1694 GCGTGGTGGAG 1705
 ||||| |||||
 Db 12 GCGTGGTGGTAG 1

RESULT 1258
 ABH00386
 ID ABH00386 standard; DNA; 13 BP.
 AC
 AC ABH00386;
 XX
 DT 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 200363 for detecting SNP TSC0049306.
 DE

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
PN 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
PR
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 200363; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
SQ
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1721 GGAGATGGAGAT 1732
DB 1 GGAGATAGAGAT 12
RESULT 1259
ABF53250
ID ABF53250 standard; DNA; 13 BP.
XX AC ABF53250;
XX
XX 21-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 153247 for detecting SNP TSC0038744.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS
XX WO200177384-A2.
PN 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX Claim 1; SEQ ID NO 215208; 29pp + Sequence Listing; German.
PS

PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 153247; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 1 C; 5 G; 4 T; 0 U; 1 Other;
SQ
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1710 GTTAGGATGACG 1721
DB 1 GTTAGGATGACG 12
RESULT 1260
ABH15231
ID ABH15231 standard; DNA; 13 BP.
XX AC ABH15231;
XX
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 215208 for detecting SNP TSC0052373.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS
XX WO200177384-A2.
PN 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 215208; 29pp + Sequence Listing; German.
PS

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCTATCCTCTAA 1759
DB 2 CCTATCCTCTAA 13

RESULT 1261
ABF65199/c
ID ABF65199 standard; DNA; 13 BP.
AC ABF65199;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165196 for detecting SNP TSC0041433.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 165196; 29pp + Sequence Listing; German.
XX

This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1701 GGAAGTTCGGTT 1712
DB 12 GGAATTCGGTT 1

RESULT 1262
ABH47622
ID ABH47622 standard; DNA; 13 BP.
XX
AC ABH47622;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 247599 for detecting SNP TSC0060506.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 247599; 29pp + Sequence Listing; German.
XX

This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
SQ

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1705 GTTGGATTAGGA 1716
DB 2 GTTGGATTAGGA 13

RESULT 1263

OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
AC	ABC19752;
XX	
DT	20-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 19769 for detecting SNP TSC0004089.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
PA	
XX	Olek A, Piepenbrock C, Berlin K;
PI	
XX	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 19769; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 1 A; 1 C; 6 G; 5 T; 0 U; 0 Other;
XX	
Query Match	7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity	91.7%; Pred. No. 5.4e+02;
Matches	11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy	1754 CCTAAGGCCCA 1765
Dd	13 CCTAAGGCCCA 2
RESULT 1264	
ABC75935	
ID	ABC75935 standard; DNA; 13 BP.
XX	
AC	ABC75935;
XX	
DT	21-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 75952 for detecting SNP TSC0019457.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
PA	
XX	Olek A, Piepenbrock C, Berlin K;
PI	
XX	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 19769; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 1 A; 1 C; 6 G; 5 T; 0 U; 0 Other;
XX	
Query Match	7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity	91.7%; Pred. No. 5.4e+02;
Matches	11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy	1754 CCTAAGGCCCA 1765
Dd	13 CCTAAGGCCCA 2
RESULT 1264	
ABC75935	
ID	ABC75935 standard; DNA; 13 BP.
XX	
AC	ABC75935;
XX	
DT	21-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 75952 for detecting SNP TSC0019457.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
PA	
XX	Olek A, Piepenbrock C, Berlin K;
PI	
XX	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 75952; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	

XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 2819; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCTATCCTCTAA 1759
Db 13 CTCTATCCTCTAA 2

RESULT 1266
ABF11507/c
ID ABF11507 standard; DNA; 13 BP.
XX AC ABF11507;
XX XX
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 111504 for detecting SNP TSC0027852.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 111504; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1748 CCTATCCTCTAA 1759
Db 13 CTCTATCCTCTAA 2

RESULT 1266
ABF11507/c
ID ABF11507 standard; DNA; 13 BP.
XX AC ABF11507;
XX XX
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 111504 for detecting SNP TSC0027852.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 111504; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1702 GAAGTTGGCTTA 1713
Db 13 GGAGTTGGCTTA 2

RESULT 1267
ABC87617/c
ID ABC87617 standard; DNA; 13 BP.
XX AC ABC87617;
XX XX
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 87634 for detecting SNP TSC0022046.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 87634; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.4e+02;

RESULT 1269
ABF43820
ID ABF43820 standard; DNA; 13 BP.
XX
AC ABF43820;
XX

XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 163798; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 0 A; 8 C; 0 G; 5 T; 0 U; 0 Other;
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1745 CCTCCCTATCCT 1756
Db 2 CCTCCCTTCT 13
RESULT 1271
ID AAL56800
XX AAL56800 standard; DNA; 13 BP.
AC AAL56800;
XX 06-NOV-2003 (first entry)
XX Oligodeoxynucleotide B used to study INA/DNA and INA/RNA duplexes.
XX Intercalator pseudonucleotide; gene transcription; DNA binding protein;
XX INA; oligonucleotide analogue; oligodeoxynucleotide; ODN; ss.
XX Synthetic.
XX Key Location/Qualifiers
FH misc_binding 1..6
FT /*tag= a
FT /bound moiety= "Target DNA oligo 2 (12-mer) and target
FT RNA oligo 2 (12-mer)"
FT /note= "Forms double stranded region with nucleotides 12-
FT 7 of sequences in AAL56725 and AAL56732"
FT misc_binding 8..13
FT /*tag= a
FT /bound moiety= "Target DNA oligo 2 (12-mer) and target
FT RNA oligo 2 (12-mer)"
FT /note= "Forms double stranded region with nucleotides 1-6
FT of sequences in AAL56725 and AAL56732"
XX WC2003052133-A2.
PN 26-JUN-2003.

XX 18-DEC-2002; 2002WO-DK000875.
XX 18-DEC-2001; 2001DK-00001897.
XX 18-DEC-2001; 2001DK-00001898.
XX 18-DEC-2001; 2001DK-00001899.
XX 18-DEC-2001; 2001DK-00001900.
XX 20-MAR-2002; 2002US-0365545P.
XX 14-OCT-2002; 2002DK-00001575.
XX 14-OCT-2002; 2002DK-00001576.
XX 14-OCT-2002; 2002DK-00001577.
XX 14-OCT-2002; 2002DK-00001578.
XX (UNES-) UNEST AS.
XX Christensen UB, Pedersen EB;
XX WPI; 2003-618026/58.
XX Novel oligonucleotide analog, has one intercalator pseudonucleotide that
PT comprise backbone unit that incorporates into nucleic acid backbone and
PT intercalator capable of co-stacking with nucleobases of nucleic acid.
XX Example 26; Page; 274pp; English.
XX This invention relates to novel oligonucleotide analogues containing at
XX least one intercalator pseudonucleotide (INA). Wherein the INA comprises
XX a backbone monomer unit capable of being incorporated into the DNA
XX backbone and that is linked to an intercalator, which is capable of co-
XX stacking with a DNA nucleobase. Specifically, the present invention
XX describes single stranded oligo analogues, as well as pairs of
XX homogeneously complementary oligos containing INAs that can be used for
XX PCR, RT-PCR and differentiating between target and point mutated DNA
XX sequences. Furthermore, these analogues can be used to specifically
XX modulate gene transcription and/ or translation by modulating the
XX biological activity of DNA (and RNA) binding proteins i.e. by targeting
XX and inhibiting specific transcription factors. A final object of the
XX invention provides improved methods to deliver oligonucleotide analogues
XX to living cells by passive cellular uptake. This invention describes the
XX investigations carried out to explore the hybridisation and detection
XX properties of these analogues, both in DNA, RNA and DNA/RNA hybrid
XX duplexes, as well as their improved resistance to endogenous nuclease.
XX This oligonucleotide sequence is the oligodeoxynucleotide B, used as part
XX of the investigation into INA/DNA and INA/RNA duplexes, a method of the
XX invention. NOTE: This sequence is not given in the specification, but is
XX derived from sequence information provided in figure 38
XX Sequence 13 BP; 5 A; 4 C; 3 G; 1 T; 0 U; 0 Other;
XX Query Match 7.5%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 5.4e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1646 CAGAAGGCAGC 1657
Db 1 CACAAGGCAGC 12
RESULT 1272
ID AAQ78441/c
XX AAQ78441 standard; DNA; 14 BP.
XX AAQ78441;
XX 25-MAR-2003 (revised)
XX 27-JUN-1995 (first entry)
XX TGF-beta gene phosphorothioate antisense oligonucleotide.
XX Transforming growth factor beta; TGF-beta; antisense; treatment; tumour;
XX angiogenesis; breast tumour; neurofibroma; glioma; glioblastoma;
XX carcinogenesis; carcinoma; oesophagus; oesophageal; gastric; gut;
XX immunosuppression; oligonucleotide; ss.

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XX OS Synthetic.
XX PN WO9425588-A2.
XX XX 10-NOV-1994.
XX PD 29-APR-1994; 94WO-EP001362.
XX PF 30-APR-1993; 93EP-00107089.
XX XX 13-MAY-1993; 93EP-00107849.
XX PR
XX XX (BIOG-) BIOGOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
XX PA Schlingensiepen G, Brysch W, Schlingensiepen K, Schlingensiepen R;
XX PI Bogdahn U;
XX XX WPI; 1994-358266/44.
XX DR New transforming growth factor beta antisense oligo:nucleotide(s) - for
XX PT treating immunosuppression, tumours, etc.
XX PT Claim 6; Page 50; 74pp; English.
XX PS
XX CC The antisense oligonucleotides are useful in the treatment of tumours in
XX CC which expression of TGF-beta is of relevance for pathogenicity and/or
XX CC inhibition of pathological angiogenesis. They are used especially for the
XX CC treatment of the immunosuppressive effect of TGF-beta, augmentation of
XX CC the proliferation of cytotoxic lymphocytes, treatment of endogenous
XX CC hyperexpression of TGF-beta, treatment of breast tumours, neurofibromas
XX CC and malignant gliomas, including glioblastomas, treatment and prophylaxis
XX CC of skin carcinogenesis, and treatment of oesophageal and gastric
XX CC carcinomas. See AAQ78352-Q78488. The sequences given in GENESEQ files
XX CC AAQ78352-Q78407 and AAQ78488 are antisense oligodeoxynucleotides of TGF-
XX CC beta 1. The sequences given in GENESEQ files AAQ78408-78487 are antisense
XX CC oligodeoxynucleotides of TGF-beta 2 in the form of phosphorothioate
XX CC analogues. (Updated on 25-MAR-2003 to correct PN field.)
XX XX
XX SQ Sequence 14 BP; 1 A; 5 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1644 AGCAGAAGCGCA 1655
Db 14 AGCAGAAGCGCA 3

RESULT 1273
AAV99069/C
ID AAV99069 standard; RNA; 14 BP.
XX AC AAV99069;
XX XX
XX DT 17-MAR-1999 (first entry)
XX DE
XX OS Homo sapiens.
XX DE Human EGF-R target sequence nucleotide position 4310.
XX DE
XX KW Human; epidermal growth factor receptor; EGFR; EGF-R; target sequence;
XX KW hammerhead ribozyme; hairpin ribozyme; inhibition; cell proliferation;
XX KW cancer; genetic drift; detection; mutation; ss.
XX XX
XX OS Homo sapiens.
XX XX WO9833893-A2.
XX PN
XX XX 06-AUG-1998.
XX PD
XX XX 14-JAN-1998; 98WO-US000730.
XX PF
XX XX 31-JAN-1997; 97US-0036476P.
XX PR
XX XX 04-DEC-1997; 97US-00985162.

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XX PA (RIBO-) RIBOZYME PHARM INC.
XX PA (UYAS-) UNIV ASTON.
XX XX
XX PI Akhtar S, Fell P, Mcswiggen JA;
XX XX WPI; 1998-437449/37.
XX DR
XX XX Enzymatic nucleic acids - which cleave RNA derived from an epidermal
XX PT growth factor receptor, useful for inhibiting cell proliferation and for
XX PT treating cancers.
XX XX
XX PS Claim 6; Page 89; 109pp; English.
XX XX
XX CC The present invention describes enzymatic nucleic acid molecules (NAMS)
XX CC which specifically cleave RNA derived from an epidermal growth factor
XX CC receptor (EGF-R) gene. AAV97221 to AAV98043 and AAV98979 to AAV99090
XX CC represent specifically claimed target sequence from human EGF-R. AAV98044
XX CC to AAV98866 and AAV98867 to V9878 represent hammerhead ribozymes and
XX CC hairpin ribozymes respectively for human EGF-R. The NAMS are useful for
XX CC cleaving EGF-R RNA in the treatment of a condition associated with EGFR
XX CC expression levels e.g. to inhibit cell proliferation in the prevention or
XX CC treatment of cancers. The NAMS can also be used as diagnostic tools to
XX CC examine genetic drift and mutations within diseased cells or to detect
XX CC the presence of EGF-R RNA in a cell
XX XX
XX SQ Sequence 14 BP; 2 A; 3 C; 4 G; 0 T; 5 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1639 CTTGTAGCAGAA 1650
Db 13 CTTGAAGCAGAA 2

RESULT 1274
AAAI7659
ID AAAI7659 standard; RNA; 14 BP.
XX AC AAAI7659;
XX XX
XX DT 19-JUN-2000 (first entry)
XX DE
XX DE Aryl hydrocarbon nuclear transport target site SEQ ID NO:885.
XX KW Human; aryl hydrocarbon nuclear transport; ARNT; TIE-2; angiogenesis;
XX KW integrin alpha 6 subunit; integrin subunit beta 3; hairpin ribozyme;
XX KW hammerhead ribozyme; arginogenic factor; cytostatic; antidiabetic;
XX KW ophthalmologic; antiinflammatory; antiarthritic; antipsoriatic; ARMD;
XX KW dermatological; RNA cleavage; cancer; diabetic retinopathy; arthritis;
XX KW age related macular degeneration; inflammation; neovascular glaucoma;
XX KW myopic degeneration; psoriasis; verruca vulgaris; angiofibroma;
XX KW tuberosus sclerosus; pot-wine stain; Sturge Weber syndrome;
XX KW Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss.
XX XX
XX OS Homo sapiens.
XX XX WO9950403-A2.
XX PN
XX XX 07-OCT-1999.
XX PD
XX PF 24-MAR-1999; 99WO-US006507.
XX XX
XX PR 27-MAR-1998; 98US-0079678P.
XX XX
XX PA (RIBO-) RIBOZYME PHARM INC.
XX XX
XX PI Pavco PA, Roberts E, Jarvis T, Coeshott C, Mcswiggen JA;
XX XX WPI; 1999-591315/50.
XX XX

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PT Novel ribozymes for modulating the synthesis, expression and/or stability
 PT of an mRNA encoding an angiogenic factors.

PS Claim 53; Page 90; 305pp; English.

CC The present invention describes enzymatic nucleic acid molecules with RNA
 CC cleaving activity, which specifically cleave RNA encoded by an aryl
 CC hydrocarbon nuclear transporter (ARNT) gene, an integrin subunit beta 3
 CC gene, an integrin alpha 6 subunit gene, or a Tie-2 gene. AAA16775 to
 CC AAA17167 and AAA17561 to AAA17622 represent ribozyme sequences for ARNT,
 CC AAA17684 and AAA17623 to AAA17684 represent their
 CC corresponding target sequences; AAA17685 to AAA18385 and AAA19087 to
 CC AAA19154 represent ribozyme sequences for Tie-2, and AAA18386 to AAA19086
 CC and AAA19155 to AAA19222 represent their corresponding target sequences;
 CC AAA19223 to AAA20361 and AAA21501 to AAA21595 represent ribozyme
 CC sequences for integrin alpha 6 subunit, and AAA20362 to AAA21500 and
 CC AAA21596 to AAA21688 represent their corresponding target sequences;
 CC AAA21689 to AAA22475 and AAA22476 to AAA22476 represent ribozyme sequence
 CC for integrin subunit beta 3, and AAA22476 to AAA22476 to AAA22476 to
 CC AAA23422 represent their corresponding target sequences. The ribozymes of
 CC the invention are used for modulating the synthesis, expression and/or
 CC stability of an mRNA encoding angiogenic factor, especially ARNT,
 CC integrin subunit beta-3, integrin subunit alpha-6, or Tie-2. They are
 CC especially used to treat cancer, diabetic retinopathy, age related
 CC macular degeneration (ARMD), inflammation, and arthritis as well as
 CC neovascular glaucoma, myopic degeneration, psoriasis, verruca vulgaris,
 CC angiofibroma of tuberosus sclerosis, pot-wine stains, Sturge Weber
 CC syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-Rendu syndrome,
 CC and other syndromes and diseases related to the levels of ARNT, Tie-2,
 CC integrin subunit alpha-6, or integrin subunit beta-3

SQ Sequence 14 BP; 3 A; 5 C; 5 G; 0 T; 1 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 14;
 Best Local Similarity 83.3%; Pred. No. 6e+02;
 Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1667 ACAGCTGGAC 1678

DB 3 ACACUGGCACC 14

RESULT 1275

AAA26158

ID AAA26158 standard; DNA; 14 BP.

AC AAA26158;

XX 19-JUL-2000 (first entry)

DE Oestrogen receptor hairpin ribozyme target sequence SEQ ID NO:2656.

XX Oestrogen receptor; c-raf; k-ras; bcl-2; ribozyme; cleavage;
 KW hammerhead ribozyme; hairpin ribozyme; antisense oligonucleotide;
 KW gene expression modification; cancer; phosphorothioate; endonuclease;
 KW anticancer; breast cancer; endometrium cancer; ss.

OS Homo sapiens.

XX WO9954459-A2.

XX 28-OCT-1999.

PF 19-APR-1999; 99WO-US008547.

XX 20-APR-1998; 98US-0082404P.

PR 23-JUN-1998; 98US-00103636.

XX (RIBO-) RIBOZYME PHARM INC.

XX Thompson JD, Beigelman L, Mcswiggen JA, Karpeisky A, Bellon L;

PI Reynolds M, Zwick M, Jarvis T, Woolf T, Haerberli P;

PI Matulic-Adamic J;

XX WPI; 2000-013248/01.

XX New nucleic acids that interact, and optionally cleave, target sequences,
 PT used to treat cancer.

PS Claim 79; Page 100; 148pp; English.

CC The present invention describes nucleic acids (A) that interact stably
 CC with a target sequence and contain at least one phosphorodithioate
 CC link, having endonuclease activity. (A), and more generally any catalytic
 CC nucleic acid (A') that modulates expression of the oestrogen receptor
 CC gene, are used to treat cancer (particularly of breast or endometrium),
 CC in vivo or by transforming cells ex vivo and implanting treated cells, or
 CC for other conditions associated with levels of oestrogen receptor.
 CC Because of the high selectivity for targeted RNA, (A) can also be used to
 CC correlate inhibition of gene expression with alterations in phenotype,
 CC particularly for identification of therapeutic targets, and as research
 CC reagents (for RNA, in the same way that restriction endonucleases are
 CC used with DNA). The combination of modifications in (A) improves
 CC resistance to nucleases, binding affinity and/or activity. AAA23503 to
 CC AAA24747 represent oestrogen receptor hammerhead ribozyme sequences, and
 CC AAA24748 to AAA25992 represent their corresponding target sequences.
 CC AAA25993 to AAA26105 represent oestrogen receptor hairpin ribozyme
 CC sequences, and AAA26107 to AAA26218 represent their corresponding target
 CC sequences. AAA26219 to AAA26271 represent other ribozyme sequences and
 CC antisense oligonucleotides used in the exemplification of the present
 CC invention

SQ Sequence 14 BP; 1 A; 8 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 14;
 Best Local Similarity 91.7%; Pred. No. 6e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1738 CCCAACCTCTCC 1749

DB 2 CCCAGCTCTCC 13

RESULT 1276

ABZ26045/C

ID ABZ26045 standard; DNA; 15 BP.

AC ABZ26045;

XX 21-MAR-2003 (first entry)

DE HMG1 related oligonucleotide SEQ ID NO 14.

XX Yeast; HMG-CoA reductase; squalene; zymosterol; cholesta-7,24-dienol;
 KW cholesta-5, 7, 24-trienol; zymosterol-24-methyl transferase;
 KW ergosta-5, 7, 24 (28)-trienol-22-dehydrogenase; ergosta; dienol;
 KW episterol-5-dehydrogenase; linker region; catalytic domain;
 KW membrane binding region; HMG1; ss.

OS Synthetic.

XX US5460949-A.

XX 24-OCT-1995.

PF 28-OCT-1991; 91US-00783861.

XX 15-NOV-1990; 90US-00613380.

XX (STAD) AMOCO CORP.

XX Mukharji I, Saunders CA, Wolf FR;

XX WPI; 1992-168867/21.

XX Increasing squalene and specific sterol accumulation in yeasts - by
 PT

PT transforming mutant yeasts to increase 3-hydroxy-3-methyl:glutaryl COA
 PS reductase activity in the yeasts.
 XX Example 5; Col 21; 60pp; English.
 CC The invention relates to: (A) a method of increasing squalene,
 CC zymosterol, cholesta-7,24-dienol and ergosta-5, 7, 24-trienol
 CC accumulation in yeast comprising increasing the expression level of a
 CC structural gene encoding a polypeptide having HMG-CoA reductase activity
 CC in a mutant yeast having defects in the expression of zymosterol-24-
 CC methyl transferase and ergosta-5, 7, 24 (28) -trienol-22-dehydrogenase;
 CC (B) a method of increasing squalene, ergosta-8, 22-dienol, ergosta-7, 22-
 CC dieneol, ergosta-8-enol and ergosta-7-enol accumulation in *S. cerevisiae*
 CC comprising transforming a mutant *S. cerevisiae* having a defect in the
 CC expression of episterol-5-dehydrogenase with a recombinant DNA molecule
 CC comprising a vector operatively linked to an exogenous DNA segment that
 CC encodes the catalytic region and at least a portion of the linker region
 CC but is free from the membrane binding region of an HMG-CoA reductase
 CC enzyme and a promoter suitable for driving the expression of the
 CC reductase in the yeast; (C) a method of increasing squalene, zymosterol
 CC and cholesta-7, 24-dienol accumulation in *S. cerevisiae* comprising
 CC transforming a mutant *S. cerevisiae* having a defect in the expression of
 CC zymosterol-24-methyl transferase and episterol-5-dehydrogenase with a
 CC recombinant DNA molecule as in (E); (D) a method of increasing squalene,
 CC zymosterol, ergosta-5, 7, 24(28)-trienol and ergosta-5, 7-dienol
 CC accumulation in *S. cerevisiae* comprising transforming a mutant *S.*
 CC *cerevisiae* having a defect in the expression of ergosta-5, 7, 24(28)-
 CC trienol-22-dehydrogenase with a recombinant DNA molecule as in (B); (E) a
 CC mutant *S. cerevisiae* having defects in the expression of zymosterol-24-
 CC methyl transferase and ergosta-5, 7, 24(28)-trienol-22-dehydrogenase
 CC enzymes, which mutant is designated ATCO402mm; (F) a mutant of *S.*
 CC *cerevisiae* having single or double defects in the expression of enzymes
 CC that catalyse the conversion of squalene to ergosterol, transformed with
 CC a recombinant DNA molecule as in (B). The present sequence is that of a
 CC synthetic oligonucleotide used in the generation of integrating plasmids
 CC expressing a truncated form of the *S. cerevisiae* HMG-CoA reductase 1
 CC (HGM1) protein under the control of the PGK promoter
 XX Sequence 15 BP; 3 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
 SQ Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 6.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1666 CACAGCTGGAC 1677
 DB |||||
 12 CACAGCTGGATC 1
 RESULT 1277
 AAQ43232
 ID AAQ43232 standard; DNA; 15 BP.
 XX
 AC AAQ43232;
 XX
 DT 25-MAR-2003 (revised)
 DT 13-OCT-1993 (first entry)
 XX
 DE B-B10 V region primer Vkrfor.
 XX Complementarity-determining region; CDR; humanised; antibody; hIL2R;
 KW human; interleukin; IL-2; receptor; murine; anti-human; Ab; T-cell;
 KW monoclonal antibody; B-B10; mixed lymphocyte reaction; variable; V;
 KW region; PCR; framework; plasmid; heavy; H; light; L; amplify; primer;
 KW polymerase chain reaction; ss.
 XX
 OS Synthetic.
 XX
 PN WO9311238-A1.
 XX
 PD 10-JUN-1993.
 XX
 XX 03-DEC-1992; 92WO-JP001583.

XX 06-DEC-1991; 91JP-00323319.
 PR (SUMU) SUMITOMO PHARM CO LTD.
 PA (BIOT) BIOTEST PHARMA GMBH.
 PA (INNO-) INNOTHERAPIE LAB.
 XX Nakatani T, Gomi H, Wijdenes J, Noguchi H;
 XX WPI; 1993-197057/24.
 DR Humanised antibody comprising - CDR region of mouse MAB B-B10 specific
 PT for IL-2 receptor useful for treating carcinoma expressing IL-2 receptor.
 PS Disclosure; Page 45; 62pp; English.
 CC The sequences given in AAQ43226-32 are primers which were used in the
 CC cloning of DNA encoding the variable (V) regions of the murine anti-
 CC human IL-2 receptor monoclonal Ab (MAB) B-B10. This MAB was used in the
 CC construction of a humanised antibody (Ab) which binds specifically to
 CC human interleukin (IL)-2 receptor (hIL2R). The complementarity-
 CC determining regions (CDRs) for the hIL2R MAB were derived from B-B10 (see
 CC also AAQ37599-04). The hIL2R MAB is antagonistic to the binding of IL-2
 CC to the IL-2 receptor on human T-cells. It also inhibits the human mixed
 CC lymphocyte reaction. The cDNA encoding the variable (V) region of the B-
 CC B10 Ab was cloned by PCR and sequenced (see also AAQ43233-36) A human Ab
 CC with high levels of amino acid sequence homology to the murine sequence
 CC was selected and the framework of this Ab was bound with the B-B10 V
 CC region CDR and a part of the framework to design several kinds of the
 CC humanised B-B10 V region. The DNA sequence coding this humanised B-B10
 CC was synthesised and a plasmid expressing humanised B-B10 was constructed.
 CC (Updated on 25-MAR-2003 to correct PN field.)
 XX Sequence 15 BP; 1 A; 7 C; 3 G; 4 T; 0 U; 0 Other;
 SQ Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 6.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1689 CTCACGCTGGT 1700
 DB |||||
 1 CTCACGCTGGT 12
 RESULT 1278
 AAT55017/c
 ID AAT55017 standard; RNA; 15 BP.
 XX
 AC AAT55017;
 XX
 DT 25-MAR-2003 (revised)
 DT 18-APR-1997 (first entry)
 XX
 DE Human relA hammerhead ribozyme target sequence (nt. position 186).
 KW Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
 KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
 KW intercellular adhesion molecule; rel A; tumour necrosis factor;
 KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
 KW translocation; chronic myelogenous leukaemia; CML; cancer;
 KW Philadelphia chromosome; inflammation; autoimmune disease;
 KW atherosclerosis; myocardial infarction; stroke; restenosis;
 KW transplant rejection; rheumatoid arthritis; psoriasis;
 KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
 KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
 KW ss.
 XX
 OS Homo sapiens.
 XX
 PN WO9523225-A2.
 XX
 PD 31-AUG-1995.
 XX

PF 23-FEB-1995; 95WO-IB000156.
XX 23-FEB-1994; 94US-00201109.
PR 29-MAR-1994; 94US-00218934.
PR 04-APR-1994; 94US-00222795.
PR 07-APR-1994; 94US-00224483.
PR 15-APR-1994; 94US-00227958.
PR 15-APR-1994; 94US-00228041.
PR 18-MAY-1994; 94US-00245736.
PR 06-JUL-1994; 94US-00271280.
PR 15-AUG-1994; 94US-00291932.
PR 16-AUG-1994; 94US-00291433.
PR 17-AUG-1994; 94US-00292620.
PR 19-AUG-1994; 94US-00293520.
PR 02-SEP-1994; 94US-00300000.
PR 08-SEP-1994; 94US-00303039.
PR 23-SEP-1994; 94US-00311486.
PR 23-SEP-1994; 94US-00311749.
PR 28-SEP-1994; 94US-00314397.
PR 03-OCT-1994; 94US-00316771.
PR 07-OCT-1994; 94US-00319492.
PR 11-OCT-1994; 94US-00321993.
PR 04-NOV-1994; 94US-00334847.
PR 10-NOV-1994; 94US-00337608.
PR 28-NOV-1994; 94US-00345516.
PR 16-DEC-1994; 94US-00357577.
PR 23-DEC-1994; 94US-00363233.
PR 30-JAN-1995; 95US-00390734.
XX (RIBO-) RIBOZYME PHARM INC.
PA Stinchcomb DT, Chowrika B, Drenzo A, Draper KG, Dudycz LW;
XX Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, McSwiggen JA;
PI Modak A, Pavco P, Beigelman L, Sullivan SM, Sweedler D, Thompson JD;
PI Tracz D, Usman N, Wincott F, Woolf T;
XX WPI; 1995-351090/45.
DR Ribozyms having modified bases and methods for producing them - for use
XX in inhibiting disease related genes.
XX Claim 2; Page 228; 407pp; English.
XX The present sequence represents a preferred target sequence for an
CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves rRNA at the
CC nucleotide base position indicated in the DE line. The rRNA gene product
CC is a subunit of the transcriptional regulator NF-kappaB and is implicated
CC specifically in the induction of inflammatory responses. Regions of the
CC mRNA that do not form secondary folding structures and that contain
CC potential hammerhead and hairpin ribozyme cleavage sites were identified
CC by computer analysis. Ribozymes directed against these mRNA sequences
CC were designed and synthesised with modifications that improve their
CC nuclease resistance. The ribozymes are designed to cleave the target
CC sequences and thereby inhibit rRNA expression, making them potentially
CC useful for treating rheumatoid arthritis, stenosis and asthma as well
CC as for increasing tolerance to transplanted tissues. The potential
CC immunosuppressive properties of a ribozyme that cleaves rRNA means
CC that uses are limited to local delivery, acute indications or ex vivo
CC treatment. (Updated on 25-MAR-2003 to correct PI field.)
XX Sequence 15 BP; 3 A; 5 C; 3 G; 0 T; 4 U; 0 Other;
SQ Query Match 7.5%; Score 10.4; DB 1; Length 15;
XX Best Local Similarity 91.7%; Pred. No. 6.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1639 CTTGTAGCGAA 1650
DB |||||
12 CTTGTAGCGAA 1

ID AAX65776 standard; RNA; 15 BP.
XX AAX65776;
XX 20-JUL-1999 (first entry)
DE Human B7-2 hammerhead ribozyme target SEQ ID NO:2408.
XX Arthritic condition; graft tolerance; immune response; target; cleavage;
KW hammerhead ribozyme; hairpin ribozyme; human; rabbit; mouse; collagenase;
KW stromelysin; synovial membrane; joint; arthritis; osteoarthritis;
KW rheumatoid arthritis; autoimmune disease; allergy; inflammation;
KW diagnosis; ss.
XX Homo sapiens.
XX WO9618736-A2.
XX 20-JUN-1996.
XX 22-NOV-1995; 95WO-US015516.
PR 13-DEC-1994; 94US-00354920.
PR 23-DEC-1994; 94US-00363253.
PR 23-DEC-1994; 94US-00363254.
PR 17-FEB-1995; 95US-00390850.
PR 20-APR-1995; 95US-00426124.
PR 02-MAY-1995; 95US-00432874.
PR 04-MAY-1995; 95US-00434509.
PR 07-JUL-1995; 95US-0000951P.
PR 07-JUL-1995; 95US-0000974P.
PR 07-AUG-1995; 95US-00512861.
PR 05-OCT-1995; 95US-00541365.
XX (RIBO-) RIBOZYME PHARM INC.
XX Beigelman L, Stinchcomb DT, Jarvis T, Draper K, Pavco P;
PI McSwiggen J, Gustofson J, Usman N, Wincott F, Matulic-Adamic J;
PI Karpeisky A, Thompson JD, Modak A, Burgin A;
XX WPI; 1996-300653/30.
XX Enzymatic nucleic acid molecules having a hammer-head motif - used for
XX the treatment of arthritis, induction of graft tolerance or treatment of
XX auto-immune diseases.
XX Claim 10; Page 188; 307pp; English.
XX The present invention describes a novel enzymatic nucleic acid (ENA)
CC having a hammerhead motif (HM) comprising: (i) at least 5 ribose residues
CC; (ii) a 2'-C-allyl modification at position 4 of the ENA; (iii) at least
CC ten 2'-O-methyl modifications; and (iv) a 3'-end modification. The ENA's
CC can inhibit collagenase and stromelysin production in the synovial
CC membrane of joints for the treatment or prevention of arthritis,
CC particularly osteoarthritis or rheumatoid arthritis. The ENA's can also
CC be used to treat antigen presenting cells of a donor to induce tolerance
CC in a recipient to an alloantigen of a donor. They can also be used for
CC enhancing graft tolerance or for treating autoimmune disease, and for
CC treating allergies and other inflammatory conditions. The ENA's can also
CC be used in diagnosis. Ribozyme therapy impacts on the expression of
CC stromelysin without introducing the non-specific effects upon gene
CC expression which accompany treatment with retinoids and dexamethasone.
CC The concentration of ribozyme required to affect a therapeutic treatment
CC is lower than that required of antisense molecules, and is highly
CC specific. The present sequence is used in the exemplification of the
CC present invention
XX Sequence 15 BP; 5 A; 2 C; 4 G; 0 T; 4 U; 0 Other;
SQ Query Match 7.5%; Score 10.4; DB 1; Length 15;
XX Best Local Similarity 66.7%; Pred. No. 6.5e+02;
XX Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Best Local Similarity 75.0%; Pred. No. 6.5e+02; Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0

QY 1636 GGGCTTGTAGCA 1647
|||:|:|
3 GGGCUUGUAUCA 14

Db

RESULT 1280
AAT50326
ID AAT50326 standard; RNA; 15 BP.
XX
AC AAT50326;
XX
DT 11-MAR-1997 (first entry)
XX
DE Rabbit CETP HH ribozyme target sequence #1587.
XX
KW Hammerhead ribozyme; cholesterol ester transfer protein; mRNA cleavage;
KW neutral lipid transfer; plasma lipoprotein; atherosclerosis; atherectomy;
KW reverse cholesterol transport; high density lipoprotein; therapy; CETP;
KW familial hypercholesterolaemia; dyslipidaemia; hypophthalipoproteinaemia;
KW peripheral vascular disease; hypertriglyceridaemia; RCT; inhibitor;
KW angioplastic restenosis; low density lipoprotein; diabetes; HDL; rabbit;
KW LDL; ss.
XX
OS Oryctolagus cuniculus.
XX
FN WO9620279-A1.
XX
PD 04-JUL-1996.
XX
PF 11-DEC-1995; 95WO-US016000.
XX
PR 23-DEC-1994; 94US-00363240.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (WARN) WARNER LAMBERT CO.
XX
XX Couture L, Stinchcomb D, Meswigen J, Bisgaier C, Pape M;
XX WPI; 1996-321852/32.
XX
XX New ribozyme(s) for cleaving cholesterol ester transfer protein mRNA -
XX useful for preventing or treating initial development, progression or
XX regression of vascular diseases, esp. familial hypercholesterolaemia.
XX
XX Claim 4; Page 43; 72pp; English.
XX
XX AAT50138-T50359 represent target sequences for the rabbit cholesterol
XX ester transfer protein (CETP) hamster (HH) ribozymes (see AAT50360-
XX T50346). CETP is a 74 kD glycoprotein that facilitates neutral lipid
XX transfer between plasma lipoproteins. The numbering of the targets refers
XX to the position of the cleavage site in full length CETP. The ribozyme
XX then binds to 5 nucleotides either side of this site. The ribozymes are
XX able to cleave mRNA from the gene encoding CETP, thereby blocking
XX synthesis and/or expression of the mRNA. By inhibiting CETP, the reverse
XX cholesterol transport (RCT) pathway can be inhibited (or eliminated)
XX thereby preventing the reduction in size density of the high density
XX lipoproteins (HDL), prolonging HDL half life, and therefore increasing
XX HDL levels. The ribozymes can be used to treat conditions associated with
XX abnormal levels of CETP, specifically atherosclerosis, familial
XX hypercholesterolaemia, peripheral vascular disease, dyslipidaemia,
XX hypertriglyceridaemia, hypophthalipoproteinaemia, vascular
XX complications of diabetes, transplant, atherectomy and angioplastic
XX restenosis. By inhibiting CETP, the levels of HDL and low density
XX lipoproteins (LDL), and the HDL:LDL ratio are favourably altered (a
XX decrease in LDL levels, and a corresponding increase in HDL levels). The
XX HH ribozymes can also be used diagnostically to study genetic drift and
XX mutations in diseased cells, and to detect CETP mRNA. As the HH ribozymes
XX target specific regions of the CETP gene, they have low non-specific
XX activity
XX
XX Sequence 15 BP; 2 A; 7 C; 1 G; 0 T; 5 U; 0 Other;
XX

QY 1738 CCCAACTCTCC 1749
||||:|:|
1 CCCAACTCTCC 12

Db

RESULT 1281
AAX31381
ID AAX31381 standard; DNA; 15 BP.
XX
AC AAX31381;
XX
DT 21-MAY-1999 (first entry)
XX
DE Tag sequence of a transcript decreased in colorectal cancer.
XX
KW Tag sequence; colorectal cancer; pancreatic cancer; colon cancer;
KW diagnosis; prognosis; treatment; ss.
XX
OS Homo sapiens.
XX
FN WO9853319-A2.
XX
PD 26-NOV-1998.
XX
PF 20-MAY-1998; 98WO-US010277.
XX
PR 21-MAY-1997; 97US-0047352P.
XX
XX (UYJO) UNIV JOHNS HOPKINS.
XX
XX Vogelstein B, Kinzler KW;
XX WPI; 1999-070161/06.
XX
XX Use of isolated gene transcripts - useful for developing products for the
XX diagnosis, prognosis and treatment of cancers, particularly colon and
XX pancreatic cancer.
XX
XX Claim 1; Page 47; 120pp; English.
XX
XX AAX30947-31815 represent tag sequences of transcripts that are
XX differentially expressed in colorectal cancer, in pancreatic cancer, or
XX in both. The tag sequences can be used to identify genes by matching the
XX tag to a gen data base member, or by using the tag sequences as probes to
XX isolate unidentified genes from cDNA libraries. The tag sequences can
XX also be used in a method for diagnosing colon or pancreatic cancer in a
XX sample suspected of being neoplastic. The method comprises comparing the
XX level of at least one transcript in a first sample of a tissue to a
XX second sample, where the first sample is a colonic tissue suspected of
XX being neoplastic and the second sample is a normal human colonic tissue.
XX The transcript is identified by a tag selected from AAX30947-31815. The
XX methods of the invention can be used in the diagnosis, prognosis and
XX treatment of cancer
XX
XX Sequence 15 BP; 4 A; 5 C; 3 G; 3 T; 0 U; 0 Other;
XX

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0

QY 1733 TGGCTCCCAACT 1744
||||:|:|
3 TGGATCCCAACT 14

Db

RESULT 1282
AAV93861/c
ID AAV93861 standard; RNA; 15 BP.
XX
AC AAV93861;
XX

QY 1636 GGGCTTGTAGCA 1647
|||:|:|
3 GGGCUUGUAUCA 14

Db

RESULT 1280
AAT50326
ID AAT50326 standard; RNA; 15 BP.
XX
AC AAT50326;
XX
DT 11-MAR-1997 (first entry)
XX
DE Rabbit CETP HH ribozyme target sequence #1587.
XX
KW Hammerhead ribozyme; cholesterol ester transfer protein; mRNA cleavage;
KW neutral lipid transfer; plasma lipoprotein; atherosclerosis; atherectomy;
KW reverse cholesterol transport; high density lipoprotein; therapy; CETP;
KW familial hypercholesterolaemia; dyslipidaemia; hypophthalipoproteinaemia;
KW peripheral vascular disease; hypertriglyceridaemia; RCT; inhibitor;
KW angioplastic restenosis; low density lipoprotein; diabetes; HDL; rabbit;
KW LDL; ss.
XX
OS Oryctolagus cuniculus.
XX
FN WO9620279-A1.
XX
PD 04-JUL-1996.
XX
PF 11-DEC-1995; 95WO-US016000.
XX
PR 23-DEC-1994; 94US-00363240.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (WARN) WARNER LAMBERT CO.
XX
XX Couture L, Stinchcomb D, Meswigen J, Bisgaier C, Pape M;
XX WPI; 1996-321852/32.
XX
XX New ribozyme(s) for cleaving cholesterol ester transfer protein mRNA -
XX useful for preventing or treating initial development, progression or
XX regression of vascular diseases, esp. familial hypercholesterolaemia.
XX
XX Claim 4; Page 43; 72pp; English.
XX
XX AAT50138-T50359 represent target sequences for the rabbit cholesterol
XX ester transfer protein (CETP) hamster (HH) ribozymes (see AAT50360-
XX T50346). CETP is a 74 kD glycoprotein that facilitates neutral lipid
XX transfer between plasma lipoproteins. The numbering of the targets refers
XX to the position of the cleavage site in full length CETP. The ribozyme
XX then binds to 5 nucleotides either side of this site. The ribozymes are
XX able to cleave mRNA from the gene encoding CETP, thereby blocking
XX synthesis and/or expression of the mRNA. By inhibiting CETP, the reverse
XX cholesterol transport (RCT) pathway can be inhibited (or eliminated)
XX thereby preventing the reduction in size density of the high density
XX lipoproteins (HDL), prolonging HDL half life, and therefore increasing
XX HDL levels. The ribozymes can be used to treat conditions associated with
XX abnormal levels of CETP, specifically atherosclerosis, familial
XX hypercholesterolaemia, peripheral vascular disease, dyslipidaemia,
XX hypertriglyceridaemia, hypophthalipoproteinaemia, vascular
XX complications of diabetes, transplant, atherectomy and angioplastic
XX restenosis. By inhibiting CETP, the levels of HDL and low density
XX lipoproteins (LDL), and the HDL:LDL ratio are favourably altered (a
XX decrease in LDL levels, and a corresponding increase in HDL levels). The
XX HH ribozymes can also be used diagnostically to study genetic drift and
XX mutations in diseased cells, and to detect CETP mRNA. As the HH ribozymes
XX target specific regions of the CETP gene, they have low non-specific
XX activity
XX
XX Sequence 15 BP; 2 A; 7 C; 1 G; 0 T; 5 U; 0 Other;
XX

XX DT 18-FEB-1999 (first entry)

XX DE Target sequence with sequence homology to c-raf and B-raf position 1662.

XX AC Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;

KW target; substrate; catalyst; modulation; expression; Raf gene; delivery;

KW screening; identification; synthesis; deprotection; purification; cancer;

KW inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;

KW stenosis; rheumatoid arthritis; ss.

XX OS Homo sapiens.

XX PN WO9850530-A2.

XX PD 12-NOV-1998.

XX PF 05-MAY-1998; 98WO-US009249.

XX PR 09-MAY-1997; 97US-0046059P.

PR 09-JUN-1997; 97US-0049002P.

PR 03-JUL-1997; 97US-0051718P.

PR 22-AUG-1997; 97US-0056808P.

PR 02-OCT-1997; 97US-0061321P.

PR 02-OCT-1997; 97US-0061324P.

PR 05-NOV-1997; 97US-0064866P.

PR 19-DEC-1997; 97US-0068212P.

XX PA (RIBO-) RIBOZYME PHARM INC.

XX PI Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;

PI Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;

PI Thompson J, Workman CT, Beaudry A, Sweedler D;

DR WPI; 1999-009494/01.

XX PT Identifying new catalytic nucleic acid that modulates selected processes

PT - especially ribozymes that cleave Raf RNA for treating cancer,

PT stenosis, and also new ribozymes and modified nucleoside triphosphates

PT used as antiviral agents and synthons.

XX PS Claim 180; Page 177; 259pp; English.

XX CC A method has been developed for the identification of a nucleic acid

CC capable of modulating a process in a biological system. The method

CC comprises: (a) introducing into the system a random library of nucleic

CC acid catalysts (NAC) having a substrate binding domain (SBD), comprising

CC a random sequence, and a catalytic domain (CD); and (b) identifying NAC

CC in systems where modulation has occurred and/or determining the sequence

CC of at least part of the SBDs in such systems. Nucleic acid molecules with

CC endonuclease activity and catalytic activity, from the present invention,

CC are used to modulate gene expression in plant and mammalian cells and to

CC cleave target nucleic acid, particularly for treating systemic diseases

CC caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic

CC ascites and infection. They may also be used to detect genetic drift and

CC mutations in diseased cells and to determine c-raf RNA. Specifically NACs

CC with RNA-cleaving activity that modulate expression of the Raf gene, are

CC used to treat cancer, stenosis, psoriasis or rheumatoid arthritis, or

CC generally any condition associated with the level of c-raf. Introduction

CC of sugar/phosphate modifications increases stability against nuclease and

CC activity. AAV90922 to AAV93877 represent NACs that can be used in the

XX method, specifically for modulating the expression of a Raf gene

XX SQ Sequence 15 BP; 2 A; 4 C; 6 G; 0 T; 3 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;

Best Local Similarity 91.7%; Pred. No. 6.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 AGCTGGACCCCT 1680

DB |||||

13 AGCTGGACCCCT 2

RESULT 1283

AAV81796/c

ID AAV81796 standard; DNA; 15 BP.

XX AC AAV81796;

XX DT 04-MAR-1999 (first entry)

XX DE Granulocytic Ehrlichia protein PCR forward primer S22.

XX KW Granulocytic ehrlichiosis; Ehrlichia sp; GE protein; infection; tick;

KW diagnosis; vaccine; antigenic protein; antibody; immune response;

KW PCR primer; ss.

XX OS Synthetic.

OS Ehrlichia sp.

XX PN WO9849313-A2.

XX PD 05-NOV-1998.

XX PF 24-APR-1998; 98WO-US008265.

XX PR 25-APR-1997; 97US-0044933P.

XX PA (AQUI-) AQUILA BIOPHARMACEUTICALS INC.

XX PI Murphy CA, Storey J, Beltz GA, Coughlin RT;

XX WPI; 1999-009432/01.

XX PT New nucleic acid from the human granulocytic ehrlichiosis agent - and

PT related antigenic proteins, vectors, transformed cells and antibodies,

PT useful for diagnosis and in protective vaccines.

XX PS Example 4; Page 59; 154pp; English.

XX CC The present sequence represents a PCR primer for granulocytic ehrlichia

CC (GE) proteins used in an example from the present invention. GE nucleic

CC acids, vectors and host cells are used for the recombinant production of

CC GE proteins, and also in research to further characterise the proteins.

CC GE protein-encoding nucleic acid molecules are detected by hybridisation

CC to GE nucleic acid fragments or by using the fragments as primers for

CC polymerase chain reaction (PCR) amplification. GE proteins, their

CC immunogenic fragments, and GE nucleic acid molecules encoding them are

CC used to generate an immune response against GE, specifically as (genetic)

CC vaccines, especially to control ehrlichiosis in humans and dogs, but also

CC to raise Ab and to study DNA-protein interactions. Ab are used to detect

CC GE proteins by forming an immune complex in standard assays, and

CC correspondingly GE proteins can detect specific antibodies, especially

CC for diagnosis, assessment and prognosis of GE infection, or of

CC contamination of biological samples with GE

XX SQ Sequence 15 BP; 2 A; 7 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;

Best Local Similarity 91.7%; Pred. No. 6.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1642 GTAGCAGAGGC 1653

DB |||||

15 GTAGAAGAGGC 4

RESULT 1284

AAZ62728/c

ID AAZ62728 standard; RNA; 15 BP.

XX AC AAZ62728;

XX DT 28-MAR-2000 (first entry)

DE Substrate for HH ribozyme HCV-6638 which cleaves HCV RNA at nt. 6638.
 XX Enzymatic nucleic acid; hammerhead ribozyme; virus replication; cleavage;
 KW cirrhosis; liver failure; hepatocellular carcinoma; interferon; cancer;
 KW autoimmune disease; ss.
 XX Hepatitis C virus.
 OS WO9955847-A2.
 PN 04-NOV-1999.
 PD 26-APR-1999; 99WO-US009027.
 XX 27-APR-1998; 98US-0083217P.
 XX 18-SEP-1998; 98US-0100842P.
 PR 25-FEB-1999; 99US-00257608.
 PR 23-MAR-1999; 99US-00274553.
 XX (RIBO-) RIBOZYME PHARM INC.
 XX Blatt L, Mcswiggen JA, Roberts E, Pavco PA, Macejak D;
 PI WPI; 2000-062023/05.
 XX Novel ribozymes for the treatment of diseases and conditions related to
 DR hepatitis C infection.
 XX Claim 1; Page 61; 123pp; English.
 XX The present sequence represents the preferred target sequence of an
 CC enzymatic nucleic acid, especially a hammerhead ribozyme, which cleaves
 CC the Hepatitis C virus (HCV) RNA sequence at the base position given in
 CC the descriptor line. The HCV sequence was screened for optimal ribozyme
 CC target sites using a computer folding algorithm and regions of the mRNA
 CC which did not form secondary folding structures and contained potential
 CC ribozyme cleavage sites were identified. Ribozymes were synthesised to
 CC target these sites and their activities optimised by either varying the
 CC length of the binding arms or by modification to prevent degradation by
 CC nucleases. The ribozymes of the invention inhibit gene expression and/or
 CC viral replication, and are used to treat diseases associated with
 CC Hepatitis C virus (HCV) infection, e.g. cirrhosis, liver failure and
 CC hepatocellular carcinoma. The ribozymes may be used in combination with
 CC interferon to treat HCV infection, other infectious diseases, autoimmune
 CC diseases, and cancer
 XX Sequence 15 BP; 3 A; 5 C; 4 G; 0 T; 3 U; 0 Other;
 SQ Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 6.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1695 CGTGGTGGAGT 1706
 DB 15 CGTAGTGGAGT 4
 RESULT 1285
 AAZ64116
 ID AAZ64116 standard; RNA; 15 BP.
 XX AAZ64116;
 AC 28-MAR-2000 (first entry)
 XX Substrate for hammerhead ribozyme which cleaves HCV RNA at nt. 5149.
 DE Enzymatic nucleic acid; hammerhead ribozyme; virus replication; cleavage;
 KW cirrhosis; liver failure; hepatocellular carcinoma; interferon; cancer;
 KW autoimmune disease; ss.
 XX Hepatitis C virus.
 OS

PN WO9955847-A2.
 XX 04-NOV-1999.
 PD 26-APR-1999; 99WO-US009027.
 XX 27-APR-1998; 98US-0083217P.
 PR 18-SEP-1998; 98US-0100842P.
 PR 25-FEB-1999; 99US-00257608.
 PR 23-MAR-1999; 99US-00274553.
 XX (RIBO-) RIBOZYME PHARM INC.
 XX Blatt L, Mcswiggen JA, Roberts E, Pavco PA, Macejak D;
 PI WPI; 2000-062023/05.
 XX Novel ribozymes for the treatment of diseases and conditions related to
 DR hepatitis C infection.
 XX Claim 1; Page 81; 123pp; English.
 XX The present sequence represents the preferred target sequence of an
 CC enzymatic nucleic acid, especially a hammerhead ribozyme, which cleaves
 CC the Hepatitis C virus (HCV) RNA sequence at the base position given in
 CC the descriptor line. The HCV sequence was screened for optimal ribozyme
 CC target sites using a computer folding algorithm and regions of the mRNA
 CC which did not form secondary folding structures and contained potential
 CC ribozyme cleavage sites were identified. Ribozymes were synthesised to
 CC target these sites and their activities optimised by either varying the
 CC length of the binding arms or by modification to prevent degradation by
 CC nucleases. The ribozymes of the invention inhibit gene expression and/or
 CC viral replication, and are used to treat diseases associated with
 CC Hepatitis C virus (HCV) infection, e.g. cirrhosis, liver failure and
 CC hepatocellular carcinoma. The ribozymes may be used in combination with
 CC interferon to treat HCV infection, other infectious diseases, autoimmune
 CC diseases, and cancer
 XX Sequence 15 BP; 2 A; 5 C; 4 G; 0 T; 4 U; 0 Other;
 SQ Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 75.0%; Pred. No. 6.5e+02;
 Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 QY 1688 CCTCCAGCGTGG 1699
 DB 1 CCUCCAUUGUGG 12
 RESULT 1286
 AAAG7020/C
 ID AAA67020 standard; DNA; 15 BP.
 XX AAA67020;
 AC 19-OCT-2000 (first entry)
 XX Human leukocyte antigen C allele DNA probe C-3 SEQ ID NO:78.
 DE Human leukocyte antigen; HLA; class I allele type; probe; PCR primer;
 XX amplification; hybridisation; organ transplant; gene typing; diagnosis;
 KW ss.
 KW Homo sapiens.
 OS WO200031295-A1.
 XX 02-JUN-2000.
 PD 07-OCT-1999; 99WO-JP005527.
 XX 26-NOV-1998; 98JP-00335151.
 PR XX

(SHIO) SHIONOGI & CO LTD.

Moribe T, Kaneshige T;

WPI; 2000-40097/34.

Simple, rapid and accurate method for distinguishing HLA class I allele type with possibility of mechanization and automation, applicable in judging donor-recipient compatibility during organ transplant and disease diagnosis.

Claim 8; Page 67; 83pp; Japanese.

The present invention describes a method for distinguishing a human leukocyte antigen (HLA) class I antigen or allele by a combination of polymerase chain reaction (PCR) using a primer pair whereby all HLA-A, -B or -C alleles can be amplified or using reverse hybridisation analysis comprising a DNA probe covalently bonded to microtitre plate wells which are hybridisable specifically with the base sequence of at least one specific HLA-A, -B or -C allele. The method is applicable in gene typing, judging donor-recipient compatibility during organ transplant and correlation analysis for diagnosis of various diseases. The method is simple, rapid and accurate, with possibility of mechanisation and automation, without the problems encountered by using the prior-art techniques. AAA66943 to AAA67072 represent oligonucleotide probes and PCR primers for use in the method of the present invention

Sequence 15 BP; 4 A; 4 C; 6 G; 1 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;

Best Local Similarity 91.7%; Pred. No. 6.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTG 1673

DB 15 GGCTCTCAGCTG 4

RESULT 1287

AAC68385/C

ID AAC68385 standard; DNA; 15 BP.

XX AAC68385;

DT 20-FEB-2001 (first entry)

DE Human IRRR oligonucleotide #41.

KW Insulin receptor-related receptor; IRRR; chromosome 1q21-q24; obesity; dyslipidemia; diabetes; ss.

OS Homo sapiens.

PN WO200065090-A2.

XX 02-NOV-2000.

PF 19-APR-2000; 2000WO-US010644.

XX 22-APR-1999; 99US-00296906.

PR 22-JUN-1999; 99US-00337976.

XX (ZYMO) ZYMOGENETICS INC.

XX Lok S, Whitmore TE;

XX WPI; 2000-687365/67.

PT Detecting a chromosome 1q21-q24 abnormality for diagnosing metabolic disease, such as human obesity and diabetic disorders, comprises examining insulin receptor-related receptor gene and its gene products.

XX Claim 10; Page 43; 111pp; English.

XX

CC The present invention relates to insulin receptor-related receptor

CC (IRRR). Mutations in this gene indicate a chromosome 1q21-q24

CC abnormality. IRRR polypeptides and DNA may be useful in the diagnosis of

CC of disorders associated with abnormal expression of the IRRR protein, for

CC example obesity, dyslipidemia and diabetes

XX Sequence 15 BP; 3 A; 5 C; 4 G; 3 T; 0 U; 0 Other;

SQ

Query Match 7.5%; Score 10.4; DB 1; Length 15;

Best Local Similarity 91.7%; Pred. No. 6.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTG 1673

DB 12 GACTCACAGCTG 1

RESULT 1288

AAH18851/C

ID AAH18851 standard; DNA; 15 BP.

XX AC

AAH18851;

XX 21-JUN-2001 (first entry)

XX UCP3 polymorphism detection allele specific probe #2.

DE UCP3; uncoupling protein 3; polymorphism; obesity; diabetes mellitus; ss.

XX Homo sapiens.

XX WO200118232-A2.

PD 15-MAR-2001.

XX 08-SEP-2000; 2000WO-US024784.

XX 08-SEP-1999; 99US-0152789P.

XX (GENA-) GENAISSANCE PHARM INC.

PA (STEPH) STEPHENS J C.

PI Chew A, Choi JY, Denton RR, Nandabalan K;

XX WPI; 2001-218562/22.

XX Nucleic acids encoding uncoupling protein 3 (mitochondrial, proton carrier) (UCP3) proteins comprising single nucleotide polymorphisms, useful for the design of drugs for treating obesity.

XX Claim 15; Page 21; 94pp; English.

XX The present invention relates to the human uncoupling protein 3

XX (mitochondrial, proton carrier) (UCP3) gene and polymorphisms. The

XX polymorphisms are associated with obesity, especially diabetes mellitus

XX associated obesity. They polymorphisms may be identified and analysed to

XX determine whether an individual is susceptible to obesity and may be used

XX as the basis for targeted design of drugs to treat obesity. The present

XX sequence was used in the identification and amplification of UCP3

XX polymorphisms

XX Sequence 15 BP; 1 A; 6 C; 4 G; 4 T; 0 U; 0 Other;

SQ

Query Match 7.5%; Score 10.4; DB 1;

Best Local Similarity 91.7%; Pred. No. 6.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACAG 1670

DB 12 CCAGGGTCACAG 1

AC	AA05854;	AC	AA05854;
XX	31-JUL-2001 (first entry)	XX	31-JUL-2001 (first entry)
DT	Human cholinergic receptor, muscarinic 3 gene ASO probe #6.	DT	Human cholinergic receptor, muscarinic 3 gene ASO probe #6.
XX	Human; cholinergic receptor muscarinic 3; CHRM3; drug screening;	XX	Human; cholinergic receptor muscarinic 3; CHRM3; drug screening;
XX	single nucleotide polymorphism; forensic application; gene therapy;	XX	single nucleotide polymorphism; forensic application; gene therapy;
KW	Alzheimer's disease; Sjogren's syndrome; smooth muscle contractility;	KW	Alzheimer's disease; Sjogren's syndrome; smooth muscle contractility;
KW	sudden infant death syndrome; genotyping; haplotyping;	KW	sudden infant death syndrome; genotyping; haplotyping;
KW	chromosome 1q41-q44; ASO; allele-specific oligonucleotide; probe; ss.	KW	chromosome 1q41-q44; ASO; allele-specific oligonucleotide; probe; ss.
XX	Homo sapiens.	XX	Homo sapiens.
OS	WO200129176-A2.	OS	WO200129176-A2.
PN	26-APR-2001.	PN	26-APR-2001.
XX	12-OCT-2000; 2000WO-US028247.	XX	12-OCT-2000; 2000WO-US028247.
XX	15-OCT-1999; 99US-0159860P.	XX	15-OCT-1999; 99US-0159860P.
XX	(GENA-) GENAISSANCE PHARM INC.	XX	(GENA-) GENAISSANCE PHARM INC.
PA	Choi JY, Denton RR, Nandabalan K, Stephens JC;	PA	Choi JY, Denton RR, Nandabalan K, Stephens JC;
XX	WPI; 2001-300326/31.	XX	WPI; 2001-300326/31.
DR	Novel polymorphic variant of reference sequence for human cholinergic	DR	Novel polymorphic variant of reference sequence for human cholinergic
PT	receptor, muscarinic 3 gene, useful for diagnostic and therapeutic	PT	receptor, muscarinic 3 gene, useful for diagnostic and therapeutic
PT	purposes.	PT	purposes.
PS	Claim 15; Page 19; 54pp; English.	PS	Claim 15; Page 19; 54pp; English.
XX	The patent relates to polymorphic variants of human cholinergic receptor,	XX	The patent relates to polymorphic variants of human cholinergic receptor,
CC	muscarinic 3 (CHRM3) gene. The polymorphic variant comprises at least one	CC	muscarinic 3 (CHRM3) gene. The polymorphic variant comprises at least one
CC	single nucleotide polymorphism selected from cytosine at PS1, adenine at	CC	single nucleotide polymorphism selected from cytosine at PS1, adenine at
CC	PS2 or PS3, and cytosine at PS4. The invention also relates to a method	CC	PS2 or PS3, and cytosine at PS4. The invention also relates to a method
CC	for genotyping and haplotyping the CHRM3 gene for identification of	CC	for genotyping and haplotyping the CHRM3 gene for identification of
CC	variants. The polymorphic variant is useful for therapeutic purposes, for	CC	variants. The polymorphic variant is useful for therapeutic purposes, for
CC	studying the expression and biological function of CHRM3, as well as for	CC	studying the expression and biological function of CHRM3, as well as for
CC	developing drugs targeting the CHRM3 protein. The recombinant nonhuman	CC	developing drugs targeting the CHRM3 protein. The recombinant nonhuman
CC	organism transfected with the polymorphic variant is useful for studying	CC	organism transfected with the polymorphic variant is useful for studying
CC	expression of CHRM3 isogenes in vivo, for in vivo screening and testing	CC	expression of CHRM3 isogenes in vivo, for in vivo screening and testing
CC	of drugs targeted against CHRM3 protein, and for testing the efficacy of	CC	of drugs targeted against CHRM3 protein, and for testing the efficacy of
CC	therapeutic agents and compounds for Alzheimer's disease, Sjogren's	CC	therapeutic agents and compounds for Alzheimer's disease, Sjogren's
CC	syndrome, disorders associated with smooth muscle contractility and	CC	syndrome, disorders associated with smooth muscle contractility and
CC	sudden infant death syndrome. The CHRM3 protein variant is useful in drug	CC	sudden infant death syndrome. The CHRM3 protein variant is useful in drug
CC	screening assays and its antibodies are useful in immunoassays to detect	CC	screening assays and its antibodies are useful in immunoassays to detect
CC	CHRM3 protein variants in biological samples. The present sequence is an	CC	CHRM3 protein variants in biological samples. The present sequence is an
CC	allele-specific oligonucleotide (ASO) probe used for detecting human	CC	allele-specific oligonucleotide (ASO) probe used for detecting human
XX	CHRM3 gene polymorphism	XX	CHRM3 gene polymorphism
SQ	Sequence 15 BP; 4 A; 0 C; 9 G; 2 T; 0 U; 0 Other;	SQ	Sequence 15 BP; 4 A; 0 C; 9 G; 2 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 15;			
Best Local Similarity 91.7%; Pred. No. 6.5e+02;			
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;			
QY	1721 GGAGATGGAGAT 1732	QY	1738 CCCAATCTCTCC 1749
DB		DB	
	4 GGAGATGGAGAT 15		12 CCCAATCTCTCC 1
RESULT 1291			
AA05854/c			
ID	AA05854 standard; DNA; 15 BP.	ID	AA05854 standard; DNA; 15 BP.
XX	AA05854;	XX	AA05854
XX	31-JUL-2001 (first entry)	XX	31-JUL-2001 (first entry)
DT		DT	

DE Human cholinergic receptor, muscarinic 3 gene ASO probe #6.
 XX Human; cholinergic receptor muscarinic 3; CHRM3; drug screening;
 KW single nucleotide polymorphism; forensic application; gene therapy;
 KW Alzheimer's disease; Sjogren's syndrome; smooth muscle contractility;
 KW sudden infant death syndrome; genotyping; haplotyping;
 KW chromosome 1q41-q44; ASO; allele-specific oligonucleotide; probe; ss.
 XX
 OS Homo sapiens.
 XX
 XX WO200129176-A2.
 PN
 XX 26-APR-2001.
 PD
 XX 12-OCT-2000; 2000WO-US028247.
 XX
 PF 15-OCT-1999; 99US-0159860P.
 PR
 XX (GENA-) GENAISSANCE PHARM INC.
 XX
 PA Choi JY, Denton RR, Nandabalan K, Stephens JC;
 XX
 PI WPI; 2001-300326/31.
 XX
 DR Novel polymorphic variant of reference sequence for human cholinergic
 XX receptor, muscarinic 3 gene, useful for diagnostic and therapeutic
 PT purposes.
 PT
 PT
 PS Claim 15; Page 19; 54pp; English.
 XX
 XX The patent relates to polymorphic variants of human cholinergic receptor,
 CC muscarinic 3 (CHRM3) gene. The polymorphic variant comprises at least one
 CC single nucleotide polymorphism selected from cytosine at PS1, adenine at
 CC PS2 or PS3, and cytosine at PS4. The invention also relates to a method
 CC for genotyping and haplotyping the CHRM3 gene for identification of
 CC variants. The polymorphic variant is useful for therapeutic purposes, for
 CC studying the expression and biological function of CHRM3, as well as for
 CC developing drugs targeting the CHRM3 protein. The variant is also useful
 CC in diagnostics and forensic applications. The recombinant nonhuman
 CC organism transfected with the polymorphic variant is useful for studying
 CC expression of CHRM3 isogenes in vivo, for in vivo screening and testing
 CC of drugs targeted against CHRM3 protein, and for testing the efficacy of
 CC therapeutic agents and compounds for Alzheimer's disease. Sjogren's
 CC syndrome, disorders associated with smooth muscle contractility and
 CC sudden infant death syndrome. The CHRM3 protein variant is useful in drug
 CC screening assays and its antibodies are useful in immunoassays to detect
 CC CHRM3 protein variants in biological samples. The present sequence is an
 CC allele-specific oligonucleotide (ASO) probe used for detecting human
 CC CHRM3 gene polymorphism
 XX
 SQ Sequence 15 BP; 4 A; 0 C; 9 G; 2 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 6.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1738 CCCAATCTCTCC 1749
 Db 12 CCCATCTCTCTCC 1
 RESULT 1292
 AAS57269/c
 ID AAS57269 standard; DNA; 15 BP.
 XX
 XX AAS57269;
 AC
 XX 16-JAN-2002 (first entry)
 DT
 XX Human CHRN2 allele specific oligonucleotide (ASO) PCR primer #42.
 DE
 XX Human; cholinergic receptor, nicotinic, beta polypeptide 2; neuronal;
 KW CHRN2; memory disorder; Alzheimer's disease; epilepsy; learning;
 KW

KW chromosome 1q21; schizophrenia; attention deficit/hyperactivity disorder;
 KW ADHD; autosomal dominant nocturnal frontal lobe epilepsy; ADNFLE; ss;
 XX allele specific oligonucleotide; ASO; PCR primer.
 OS Homo sapiens.
 XX
 XX WO200174833-A2.
 PN
 XX 11-OCT-2001.
 PD
 XX 03-APR-2001; 2001WO-US010666.
 XX
 PF 03-APR-2000; 2000US-0194155P.
 PR
 XX 13-JUL-2000; 2000US-0217952P.
 XX
 XX (GENA-) GENAISSANCE PHARM INC.
 XX
 PA Choi JY, Kliem SE, Koshy B, Lee HH, Sanchis A;
 XX
 PI WPI; 2001-626374/72.
 XX
 DR Genotyping cholinergic receptor, nicotinic, beta-polypeptide 2 gene of an
 XX individual involves determining for two copies of the gene, the identity
 PT of nucleotide pair at polymorphic sites selected from PS1-24.
 PT
 PT
 PS Claim 15; Page 15; 82pp; English.
 XX
 XX The invention relates to genotyping/haplotyping the cholinergic receptor,
 CC nicotinic, beta-polypeptide 2 (neuronal) (CHRN2) gene of an individual,
 CC comprising determining for the two copies of the CHRN2 gene present in
 CC the individual, the identity of the nucleotide pair at one or more
 CC polymorphic sites selected from PS1-24. Also include are oligonucleotides
 CC for performing the method and the nucleotide sequence of the polymorphic
 CC variants of CHRN2. The method is useful for detecting novel CHRN2
 CC polymorphisms and for determining if an individual has a haplotype or
 CC haplotype pairs defined in the specification and to validate CHRN2 as a
 CC candidate agent for treating a specific condition or disease predicted to
 CC be associated with CHRN2 activity (e.g. a memory disorder, Alzheimer's
 CC disease, epilepsy, a learning disorder, schizophrenia, attention
 CC deficit/hyperactivity disorder, (ADHD) and autosomal dominant nocturnal
 CC frontal lobe epilepsy (ADNFLE)), and in the design of clinical trials of
 CC candidate drugs for treating a specific condition or disease predicted to
 CC be associated with CHRN2 activity. The method is useful to screen for
 CC compounds targeting CHRN2 to treat a specific conditions or disease
 CC associated with CHRN2 activity. The polymorphic nucleic acids are useful
 CC in studying the expression and function of CHRN2, and in expressing
 CC CHRN2 protein for use in screening for candidate drugs to treat diseases
 CC related to CHRN2 activity and are useful for therapeutic purposes. The
 CC CHRN2 gene is located on chromosome 1q21. The present sequence is an
 CC allele specific oligonucleotide (ASO) PCR primer for performing the
 CC method of the invention
 XX
 SQ Sequence 15 BP; 4 A; 2 C; 8 G; 0 T; 0 U; 1 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 78.6%; Pred. No. 6.5e+02;
 Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 1742 ACTCTCCCTATCC 1755
 Db 14 MCTCTCCGCTCC 1
 RESULT 1293
 AAF52917/c
 ID AAF52917 standard; DNA; 15 BP.
 XX
 XX AAF52917;
 AC
 XX 30-MAR-2001 (first entry)
 DT
 XX IGF-I oligonucleotide #3877.
 DE
 XX

KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.

XX Homo sapiens.

XX WO200078341-A1.

XX 28-DEC-2000.

XX 21-JUN-2000; 2000WO-AU000693.

XX 21-JUN-1999; 99US-0140345P.

XX (MURD-) MURDOCH CHILDRENS RES INST.

XX Wright CJ, Werther GA, Edmondson SR;

XX WPI; 2001-041421/05.

XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.

PS Example 8; Page 86; 201pp; English.

XX The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC f45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, ptyriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia

XX Sequence 15 BP; 3 A; 6 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 6.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1641 TGTAGCAGAGG 1652

DB 13 TGTAGTAGAAGG 2

RESULT 1294

AAAF51492

ID AAF51492 standard; DNA; 15 BP.

XX AAF51492;

XX 30-MAR-2001 (first entry)

XX IGF-I oligonucleotide #2452.

XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;

KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.

XX Homo sapiens.

XX WO200078341-A1.

XX 28-DEC-2000.

XX 21-JUN-2000; 2000WO-AU000693.

XX 21-JUN-1999; 99US-0140345P.

XX (MURD-) MURDOCH CHILDRENS RES INST.

XX Wright CJ, Werther GA, Edmondson SR;

XX WPI; 2001-041421/05.

XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.

PS Example 8; Page 76; 201pp; English.

XX The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC f45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, ptyriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia

XX Sequence 15 BP; 5 A; 6 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 6.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAAC 1677

DB 4 CACAGCTGGAAC 15

RESULT 1295

AAAF53418/C

ID AAF53418 standard; DNA; 15 BP.

XX AAF53418;

XX 30-MAR-2001 (first entry)

XX IGF-I oligonucleotide #4378.

XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.

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XX OS Homo sapiens.
XX PN WO200078341-A1.
XX PD 28-DEC-2000.
XX PF 21-JUN-2000; 2000WO-AU000693.
XX PR 21-JUN-1999; 99US-0140345P.
XX PA (MURD-) MURDOCH CHILDRENS RES INST.
XX PI Wright CJ, Werther GA, Edmondson SR;
XX WPI; 2001-041421/05.
XX PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
XX UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
XX inhibits or reduces growth factor mediated cell proliferation and/or
XX inflammation.
XX PS Example 8; Page 89; 201pp; English.
XX CC The present invention relates to a method for ameliorating the effects of
XX skin disorders. The method comprises contacting the skin with an
XX antisense oligonucleotide, (for insulin-like Growth factor [IGF]-1
XX receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
XX inhibiting or reducing growth factor mediated cell proliferation,
XX inflammation and/or other disorders. The present sequence is an
XX oligonucleotide which can be used to design the antisense
XX oligonucleotides of the present invention (see AAP45151 and AAP45153-
XX F45161). The method is useful for ameliorating the effects of psoriasis,
XX ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
XX neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
XX hyperneovascular condition such as a neovascular condition of the retina,
XX brain or skin, growth factor-mediated malignancies, other sclerotic
XX disease, kidney disease, hyperproliferation of the inside of blood
XX vessels or any other hyperplasia
XX SQ Sequence 15 BP; 4 A; 3 C; 4 G; 4 T; 0 U; 0 Other;
      Query Match          7.5%; Score 10.4; DB 1; Length 15;
      Best Local Similarity 91.7%; Pred. No. 6.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1754 CCTAAGGCCCA 1765
Db 15 CTTAAGGCCCA 4
      |||||
RESULT 1296
AAF51496
ID AAF51496 standard; DNA; 15 BP.
XX AC AAF51496;
XX DT 30-MAR-2001 (first entry)
XX DE IGF-I oligonucleotide #2456.
XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
XX cytosatic; dermatological; cardiant; virucide; ophthalmological; keloid;
XX skin disorder; insulin-like Growth factor 1 receptor; IGF-1; pityriasis;
XX IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
XX growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
XX keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
XX hyperneovascular condition; hyperplasia; kidney disease;
XX neovascular condition of the retina; ss.
XX OS Homo sapiens.
XX PN WO200078341-A1.

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XX PD 28-DEC-2000.
XX PF 21-JUN-2000; 2000WO-AU000693.
XX PR 21-JUN-1999; 99US-0140345P.
XX PA (MURD-) MURDOCH CHILDRENS RES INST.
XX PI Wright CJ, Werther GA, Edmondson SR;
XX WPI; 2001-041421/05.
XX PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
XX UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
XX inhibits or reduces growth factor mediated cell proliferation and/or
XX inflammation.
XX PS Example 8; Page 76; 201pp; English.
XX CC The present invention relates to a method for ameliorating the effects of
XX skin disorders. The method comprises contacting the skin with an
XX antisense oligonucleotide, (for insulin-like Growth factor [IGF]-1
XX receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
XX inhibiting or reducing growth factor mediated cell proliferation,
XX inflammation and/or other disorders. The present sequence is an
XX oligonucleotide which can be used to design the antisense
XX oligonucleotides of the present invention (see AAP45151 and AAP45153-
XX F45161). The method is useful for ameliorating the effects of psoriasis,
XX ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
XX neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
XX hyperneovascular condition such as a neovascular condition of the retina,
XX brain or skin, growth factor-mediated malignancies, other sclerotic
XX disease, kidney disease, hyperproliferation of the inside of blood
XX vessels or any other hyperplasia
XX SQ Sequence 15 BP; 5 A; 6 C; 3 G; 1 T; 0 U; 0 Other;
      Query Match          7.5%; Score 10.4; DB 1; Length 15;
      Best Local Similarity 91.7%; Pred. No. 6.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1667 ACAGCTGCAC 1678
Db 1 ACAGCTGCAC 12
      |||||
RESULT 1297
AAF52916/C
ID AAF52916 standard; DNA; 15 BP.
XX AC AAF52916;
XX DT 30-MAR-2001 (first entry)
XX DE IGF-I oligonucleotide #3876.
XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
XX cytosatic; dermatological; cardiant; virucide; ophthalmological; keloid;
XX skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
XX IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
XX growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
XX keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
XX hyperneovascular condition; hyperplasia; kidney disease;
XX neovascular condition of the retina; ss.
XX OS Homo sapiens.
XX PN WO200078341-A1.
XX PD 28-DEC-2000.
XX PF 21-JUN-2000; 2000WO-AU000693.

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XX PR 21-JUN-1999; 99US-0140345P.
XX PA (MURD-) MURDOCH CHILDRENS RES INST.
XX PI Wright CJ, Werther GA, Edmondson SR;
XX XX WPI; 2001-041421/05.
XX XX
XX XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
XX PT UV (ultra-violet) treatment (optional) and an antisenese nucleic acid that
XX PT inhibits or reduces growth factor mediated cell proliferation and/or
XX PT inflammation.
XX PS Example 8; Page 86; 20lpp; English.
XX CC The present invention relates to a method for ameliorating the effects of
XX CC skin disorders. The method comprises contacting the skin with an
XX CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
XX CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
XX CC inhibiting or reducing growth factor mediated cell proliferation,
XX CC inflammation and/or other disorders. The present sequence is an
XX CC oligonucleotide which can be used to design the antisense
XX CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
XX CC F45161). The method is useful for ameliorating the effects of psoriasis,
XX CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
XX CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
XX CC hyperneovascular condition such as a neovascular condition of the retina,
XX CC brain or skin, growth factor-mediated malignancies, other sclerotic
XX CC disease, kidney disease, hyperproliferation of the inside of blood
XX CC vessels or any other hyperplasia
XX SQ Sequence 15 BP; 3 A; 6 C; 1 G; 5 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. NO. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1641 TGTAGCAGG 1652
Db 14 TGTAGTAGAGG 3

RESULT 1298
AAF52918/C
ID AAF52918 standard; DNA; 15 BP.
XX AC AAF52918;
XX DT 30-MAR-2001 (first entry)
XX DE IGF-I oligonucleotide #3878.
XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
XX KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
XX KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
XX KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
XX KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
XX KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
XX KW hyperneovascular condition; hyperplasia; kidney disease;
XX KW neovascular condition of the retina; ss.
XX OS Homo sapiens.
XX PN WO200078341-A1.
XX PD 28-DEC-2000.
XX PF 21-JUN-2000; 2000WO-AU000693.
XX XX
XX PD 28-DEC-2000.
XX PF 21-JUN-2000; 2000WO-AU000693.
XX XX
XX PD 21-JUN-1999; 99US-0140345P.
XX PA (MURD-) MURDOCH CHILDRENS RES INST.
XX PI Wright CJ, Werther GA, Edmondson SR;
XX XX WPI; 2001-041421/05.

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XX PI Wright CJ, Werther GA, Edmondson SR;
XX XX WPI; 2001-041421/05.
XX XX
XX XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
XX PT UV (ultra-violet) treatment (optional) and an antisenese nucleic acid that
XX PT inhibits or reduces growth factor mediated cell proliferation and/or
XX PT inflammation.
XX PS Example 8; Page 86; 20lpp; English.
XX CC The present invention relates to a method for ameliorating the effects of
XX CC skin disorders. The method comprises contacting the skin with an
XX CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
XX CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
XX CC inhibiting or reducing growth factor mediated cell proliferation,
XX CC inflammation and/or other disorders. The present sequence is an
XX CC oligonucleotide which can be used to design the antisense
XX CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
XX CC F45161). The method is useful for ameliorating the effects of psoriasis,
XX CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
XX CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
XX CC hyperneovascular condition such as a neovascular condition of the retina,
XX CC brain or skin, growth factor-mediated malignancies, other sclerotic
XX CC disease, kidney disease, hyperproliferation of the inside of blood
XX CC vessels or any other hyperplasia
XX SQ Sequence 15 BP; 3 A; 6 C; 2 G; 4 T; 0 U; 0 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. NO. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1641 TGTAGCAGG 1652
Db 12 TGTAGTAGAGG 1

RESULT 1299
AAF52915/C
ID AAF52915 standard; DNA; 15 BP.
XX AC AAF52915;
XX DT 30-MAR-2001 (first entry)
XX DE IGF-I oligonucleotide #3875.
XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
XX KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
XX KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
XX KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
XX KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
XX KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
XX KW hyperneovascular condition; hyperplasia; kidney disease;
XX KW neovascular condition of the retina; ss.
XX OS Homo sapiens.
XX PN WO200078341-A1.
XX PD 28-DEC-2000.
XX PF 21-JUN-2000; 2000WO-AU000693.
XX XX
XX PD 21-JUN-1999; 99US-0140345P.
XX PA (MURD-) MURDOCH CHILDRENS RES INST.
XX PI Wright CJ, Werther GA, Edmondson SR;
XX XX WPI; 2001-041421/05.

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XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 8; Page 86; 201pp; English.
PS
XX The present invention relates to a method for ameliorating the effects of
XX skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 3 A; 6 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1641 TGTCAGCAGG 1652
Db 15 TGTCAGCAGG 4

RESULT 1300
AAF53422/c
ID AAF53422 standard; DNA; 15 BP.
XX
AC AAF53422;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGF-I oligonucleotide #4382.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytosatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or

PT inflammation.
XX
PS Example 8; Page 89; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 4 A; 4 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1753 TCCTAAAGGCC 1764
Db 12 TCCTAAAGGCC 1

RESULT 1301
AAF53672
ID AAF53672 standard; DNA; 15 BP.
XX
AC AAF53672;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGF-I oligonucleotide #4632.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytosatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 8; Page 91; 201pp; English.
XX

CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX Sequence 15 BP; 5 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 6.5e+02; Mismatches 0; Gaps 0;
 Matches 11; Conservative 0; Indels 0; Gaps 0;

OY 1722 GAGATGGAGATT 1733
 |||||
 DB 1 GAGATGGAAATT 12

RESULT 1302
 AAF53668
 ID AAF53668 standard; DNA; 15 BP.

XX AAF53668;
 XX 30-MAR-2001 (first entry)
 XX IGF-I oligonucleotide #4628.

XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 XX cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 XX skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 XX IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 XX growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 XX keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 XX hyperneovascular condition; hyperplasia; kidney disease;
 XX neovascular condition of the retina; ss.

XX Homo sapiens.
 XX WO200078341-A1.
 XX 28-DEC-2000.
 XX 21-JUN-2000; 2000WO-AU000693.
 XX 21-JUN-1999; 99US-0140345P.
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 XX Wraight CJ, Werther GA, Edmondson SR;
 XX WPI; 2001-041421/05.

XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.

XX Example 8; Page 91; 201pp; English.

XX The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of

CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX Sequence 15 BP; 5 A; 1 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 6.5e+02; Mismatches 1; Indels 0; Gaps 0;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1721 GGAGATGGAGAT 1732
 |||||
 DB 4 GGAGATGGAAAT 15

RESULT 1303
 AAF70093
 ID AAF70093 standard; DNA; 15 BP.

XX AAF70093;
 XX 18-APR-2001 (first entry)
 XX Human TNFRSF11B gene ASO probe, SEQ ID NO: 149.

XX Human; TNFRSF11B; osteoclastogenesis inhibitory factor;
 XX single nucleotide polymorphism; SNP; osteoclast recruitment;
 XX osteoclast function; osteoporosis; metastatic bone disease;
 XX Paget's disease; rheumatoid arthritis; periodontal bone disease; ASO;
 XX allele-specific oligonucleotide; probe; ss.

XX Homo sapiens.
 XX WO200104137-A1.
 XX 18-JAN-2001.

XX 10-JUL-2000; 2000WO-US018803.
 XX 09-JUL-1999; 99US-0143020P.
 XX (GENA-) GENAISANCE PHARM INC.

XX Chew A, Denton RR, Duda A, Nandabalan K, Stephens JC;
 XX WPI; 2001-147175/15.

XX Human Osteoclastogenesis Inhibitory Factor nucleotides, comprising single
 PT nucleotide polymorphisms, useful for studying e.g. osteoporosis, Paget's
 PT disease and rheumatoid arthritis.

XX Claim 15; Page 24; 114pp; English.

XX The present sequence is a probe used to detect polymorphisms in the human
 CC osteoclastogenesis inhibitory factor (TNFRSF11B). Polynucleotides
 CC comprising one or more of twenty four novel single nucleotide
 CC polymorphisms in the TNFRSF11B gene have been identified. TNFRSF11B
 CC regulate osteoclast recruitment and function. An understanding of
 CC variations in the gene should thus be useful in developing new therapies
 CC for metabolic disorders caused by abnormal osteoclast recruitment and
 CC function such as osteoporosis, metastatic bone disease, Paget's disease,
 CC rheumatoid arthritis and periodontal bone disease

XX Sequence 15 BP; 5 A; 2 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1640 TTGTAGCAGAAG 1651
DB 2 TTGTATCAGAAG 13
|||||

RESULT 1304
AAAF70091
ID AAF70091 standard; DNA; 15 BP.
XX AC
XX AAF70091;
XX DT
XX 18-APR-2001 (first entry)
XX DE

Human TNFRSF11B gene ASO probe, SEQ ID NO: 147.
XX KW Human; TNFRSF11B; osteoclastogenesis inhibitory factor;
XX KW single nucleotide polymorphism; SNP; osteoclast recruitment;
XX KW osteoclast function; osteoporosis; metastatic bone disease;
XX KW Paget's disease; rheumatoid arthritis; periodontal bone disease; ASO;
XX KW allele-specific oligonucleotide; probe; ss.
XX OS
XX Homo sapiens.
XX PN
XX WO200104137-A1.
XX XX
XX PD 18-JAN-2001.
XX PF

10-JUL-2000; 2000WO-US018803.
XX PR 09-JUL-1999; 99US-0143020P.
XX PA (GENA-) GENAISSANCE PHARM INC.
XX PI
XX Chew A, Denton RR, Duda A, Nandabalan K, Stephens JC;
XX WPI; 2001-147175/15.
XX DR
XX XX
XX PT Human Osteoclastogenesis Inhibitory Factor nucleotides, comprising single
XX PT nucleotide polymorphisms, useful for studying e.g. osteoporosis, Paget's
XX PT disease and rheumatoid arthritis.
XX PS
XX Claim 15; Page 24; 114pp; English.

The present sequence is a probe used to detect polymorphisms in the human
XX CC osteoclastogenesis inhibitory factor (TNFRSF11B). Polynucleotides
XX CC comprising one or more of twenty four novel single nucleotide
XX CC polymorphisms in the TNFRSF11B gene have been identified. TNFRSF11B
XX CC regulate osteoclast recruitment and function. An understanding of
XX CC variations in the gene should thus be useful in developing new therapies
XX CC for metabolic disorders caused by abnormal osteoclast recruitment and
XX CC function such as osteoporosis, metastatic bone disease, Paget's disease,
XX CC rheumatoid arthritis and periodontal bone disease
XX XX
XX SQ Sequence 15 BP; 5 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1640 TTGTAGCAGAAG 1651
DB 2 TTGTATCAGAAG 13
|||||

RESULT 1305
ABX03889/c
ID ABX03889 standard; DNA; 15 BP.
XX AC
XX ABX03889;

XX 06-AUG-2003 (revised)
DT 09-JAN-2003 (first entry)
XX XX
DE T. vincentii16S rRNA fragment.
XX KW Detection; probe; diagnosis; oral disease; paradontitis; caries; therapy;
XX KW polymorphism; virulence factor; antibiotic resistance gene; prognosis;
KW oral infection; detection; pathogen; coronary heart disease;
KW diabetic symptom; ss.
XX XX
OS Treponema vincentii.
XX PN
XX DE20110013-U1.
XX PD 18-OCT-2001.
XX PF 13-MAR-2001; 2001DE-02010013.
XX PR 13-MAR-2001; 2001DE-01012348.
XX PR 13-MAR-2001; 2001DE-02010013.
XX PA (ROET/) ROETGER A.
XX XX
XX WPI; 2001-657777/76.
XX XX
XX Oligonucleotide array, useful for diagnosing oral diseases, particularly
XX PT paradontitis, carries human or microbial reference sequences.
XX PS
XX Claim 8; Page 17; 58pp; German.
XX CC This invention describes a novel nucleotide carrier with probes used for
XX CC diagnosis of oral diseases, particularly paradontitis, but also caries,
XX CC especially to identify genetic predisposition (as indicated by
XX CC polymorphisms) to disease and to identify causative microorganisms or
XX CC their associated virulence factors and antibiotic resistance genes, e.g.
XX CC for selection of therapy and for prognosis. They are also useful for
XX CC research into oral infections. The carriers allow simultaneous detection
XX CC of both host and pathogen parameters, providing quickly and simply an
XX CC individual's paradontitis profile, including detection of pathogens that
XX CC are associated with increased risk of coronary heart diseases and/or
XX CC aggravation of diabetic symptoms, and of opportunistic pathogens.
XX CC ABX03870-ABX04044 represent DNA fragments used to illustrate the method
XX CC of the invention. (Updated on 06-AUG-2003 to correct OS field.)
XX XX
XX SQ Sequence 15 BP; 3 A; 2 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1658 ACCAGGCTCACA 1669
DB 15 ACCAGGCTTACA 4
|||||

RESULT 1306
AAD25233
ID AAD25233 standard; DNA; 15 BP.
XX AC
XX AAD25233;
XX DT

12-MAR-2002 (first entry)
XX XX
XX Human CCR3 gene polymorphism detecting ASO primer #7.
XX KW Human; chemokine (C-C motif) receptor 3; CCR3 gene; haplotyping;
XX KW genotyping; type IV hypersensitivity reaction; HIV-1; gene therapy;
XX KW human immunodeficiency virus 1; allele specific oligonucleotide; ASO;
XX KW polymorphism; primer; ss.
XX OS
XX Homo sapiens.

PN WO200187908-A2.
XX 22-NOV-2001.
PD 18-MAY-2001; 2001WO-US016278.
PE 18-MAY-2000; 2000US-0205191P.
PF (GENA-) GENAISSANCE PHARM INC.
PR Choi JY, Kazemi A, Koshy B;
PA WPI; 2002-055681/07.
XX Isolated polymorphic variants of chemokine (C-C motif) receptor 3 (CCR3)
XX gene useful for studying function of CCR3, expressing the CCR3 protein
XX and to screen drugs to treat CCR3 activity-related diseases.
XX Claim 16; Page 13; 53pp; English.
XX The invention relates to genetic variants of human chemokine (C-C motif)
XX receptor 3 (CCR3) gene. The invention also relates to compositions and
XX methods for haplotyping and/or genotyping the CCR3 gene in an individual.
XX Polynucleotides of the invention are useful for studying the expression
XX and function of CCR3 and in expressing CCR3 proteins for use in screening
XX candidate drugs to treat diseases related to CCR3 activity. They are also
XX used in gene therapy. The polymorphism and haplotype data is useful for
XX validating whether CCR3 is a suitable target for drugs to treat type IV
XX hypersensitivity reactions and human immunodeficiency virus (HIV)-1,
XX screening for such drugs and reducing bias cells in clinical trials of
XX such drugs. The genotyping method is useful for determining whether an
XX individual has one haplotype or haplotype pairs. The haplotyping method
XX is useful for improving the efficiency and outcome of several steps in
XX the discovery and development of drugs for treating diseases associated
XX with CCR3 activity such as type IV hypersensitivity reactions and HIV-1.
XX The present sequence is an allele specific oligonucleotide (ASO) primer
XX used for detecting human CCR3 gene polymorphisms
XX
XX SQ Sequence 15 BP; 4 A; 5 C; 5 G; 0 T; 0 U; 1 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 78.6%; Pred. No. 6.5e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 1666 CACAGCTGGAACCC 1679
Db 2 CAGAGCGGAACYC 15
RESULT 1307
ABK85670
ID ABK85670 standard; DNA; 15 BP.
XX AC ABK85670;
XX 15-AUG-2002 (first entry)
XX Human SCYB6 gene polymorphism detection ASO primer #9.
XX Human, small inducible cytokine subfamily B (Cys-X-Cys);
XX Member 6 (granulocyte chemotactic protein 2); SCYB6; primer; ss;
XX inflammatory disorder; cancer; antiinflammatory; cytostatic;
XX gene therapy; SCYB6 isogene expression modulator; ASO; SNP;
XX allele-specific oligonucleotide; single nucleotide polymorphism.
XX Homo sapiens.
XX WO200227030-A1.
XX 04-APR-2002.
XX 27-SEP-2001; 2001WO-US030413.
XX
PR 27-SEP-2000; 2000US-0235809P.
XX (GENA-) GENAISSANCE PHARM INC.
XX Anastasio AE, Bentivegna SC, Choi JY, Monroe G, Russo DP;
XX WPI; 2002-405057/43.
XX New isolated polymorphic variant of small inducible cytokine subfamily B
XX (Cys-X-Cys), Member 6 (granulocyte chemotactic protein 2) gene, useful
XX for expressing protein isoform used in drug screening techniques.
XX Claim 14; Page 12; 71pp; English.
XX The present invention relates to a new polynucleotide having small
XX inducible cytokine subfamily B (Cys-X-Cys), Member 6 (granulocyte
XX chemotactic protein 2) (SCYB6) isogene. The invention is useful for
XX studying expression and function of SCYB6 and expressing SCYB6 protein
XX for use in screening for candidate drugs to treat diseases related to
XX SCYB6 activity. The polymorphism and haplotype data is useful for
XX validating whether SCYB6 is a suitable target for drugs to inflammatory
XX disorders and cancer, screening for such drugs and reducing bias in
XX clinical trials of such drugs. The invention is also useful for
XX therapeutic purposes. The method of the invention is useful for
XX identifying an association between susceptibility to a disease, staging
XX of a disease, or response to a drug. The present nucleic acid sequence
XX represents one of a collection of allele-specific oligonucleotide (ASO)
XX primers (ABK85662-ABK85679) that were used in the invention to detect
XX polymorphisms in the human SCYB6 gene
XX
XX SQ Sequence 15 BP; 2 A; 4 C; 2 G; 6 T; 0 U; 1 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1683 TGTCTCTCTCCAG 1694
Db 1 TGTATCTCTCCAG 12
RESULT 1308
AAS98731
ID AAS98731 standard; DNA; 15 BP.
XX AC AAS98731;
XX 26-MAR-2002 (first entry)
XX Colony stimulating factor 1 receptor (CSF1R) oligonucleotide #97.
XX Colony stimulating factor 1 receptor; CSF1R; polymorphic variant;
XX cytostatic; gene therapy; malignant histiocytosis; isogene;
XX myeloid malignancy; inflammatory disorder; transgenic animal; haplotype;
XX genotype; human; allele specific oligonucleotide; ASO; primer; ss.
XX Homo sapiens.
XX WO200179225-A2.
XX 25-OCT-2001.
XX 12-APR-2001; 2001WO-US012044.
XX 12-APR-2000; 2000US-0196411P.
XX (GENA-) GENAISSANCE PHARM INC.
XX Chew A, Choi JY, Koshy B;
XX WPI; 2002-075058/10.
XX Novel polymorphic variants of colony stimulating factor 1 receptor useful

PT in studying expression and function of the protein, useful for screening
 PT candidate drugs to treat diseases e.g. inflammatory disorders.
 XX

PS Claim 15; Page 16; 164pp; English.

XX The invention describes a novel isolated polynucleotide (I) comprising a
 CC sequence which is a polymorphic variant (PV) of a reference sequence for
 CC colony stimulating factor 1 receptor (CSF1R) gene, found on the
 CC polypeptide are useful for improving the discovery and development of
 CC drugs for treating diseases associated with CSF1R activity, e.g.,
 CC malignant histiocytosis, myeloid malignancies, and inflammatory disorders
 CC and the haplotypes can be used to validate CSF1R as a candidate target
 CC for treating a specific condition or disease predicted to be associated
 CC with CSF1R activity. Genotyping the CSF1R gene of an individual can also
 CC be used in developing diagnostic tests and therapeutic treatments. (I) is
 CC useful in studying the expression and function of CSF1R, and in
 CC expressing CSF1R protein for use in screening for candidate drugs to
 CC treat diseases related to CSF1R activity and in studying the effect of
 CC the variation on the biological activity of CSF1R as well as on the
 CC binding affinity of candidate drugs targeting CSF1R. Antibodies are
 CC useful in a variety of diagnostic and prognostic formats and therapeutic
 CC methods. A transgenic animal is useful in studying expression of the
 CC CSF1R isogenes in vivo, for in vivo screening and testing of drugs
 CC targeted against CSF1R protein, and for testing the efficacy of
 CC therapeutic agents and compounds. Allele specific oligonucleotides (ASO)
 CC are useful as probes and primers, and for assaying a polymorphism in the
 CC target region. Without requiring any a priori knowledge of the phenotypic
 CC effect of any particular CSF1R or haplotype the invention provides a
 CC method for identifying lead compounds that are more likely to show
 CC efficacy in clinical trials. This sequence is an allele specific
 CC oligonucleotide primer used for detecting CSF1R gene polymorphisms,
 CC described in the method of the invention
 XX

XX Sequence 15 BP; 0 A; 7 C; 4 G; 3 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 78.6%; Pred. No. 6.5e+02;
 Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1681 GGTCTCTCTCTCCAG 1694
 DB 2 GGTCTCTCTCCCG 15
 ||| ||||| |||
 ||| ||||| |||

RESULT 1309

AAS96178/c
 ID AAS96178 standard; DNA; 15 BP.

AC AAS96178;

XX 26-FEB-2002 (first entry)

DE Human Acetylcholinesterase gene allele specific primer #25.

XX Human; ss; PCR primer; allele specific oligonucleotide; ASO; AChE;
 KW acetylcholinesterase; polymorphic variant; haplotyping; genotyping;
 KW neurological disease; Parkinson's disease; Alzheimer's disease; cancer;
 KW leukaemia; tumour; chromosome 7q22.

OS Homo sapiens.

XX WO200179219-A2.

XX 25-OCT-2001.

XX 11-APR-2001; 2001WO-US011853.

XX 14-APR-2000; 2000US-0197173P.

XX (GENA-) GENAISSANCE PHARM INC.
 PA (KAZE/) KAZEMI A.

XX Bentivegna SC, Chew A, Choi JY, Koshy B;

XX

DR WPI; 2002-055248/07.

XX New polymorphic variants comprising acetylcholinesterase (ACHE) isogene,
 PT useful in expressing ACHE protein for use in screening for candidate
 PT drugs to treat diseases related to ACHE activity, e.g. neurological
 PT diseases or cancer.

PS Claim 16; Page 13; 79pp; English.

XX The invention relates to a polynucleotide comprising a polymorphic
 CC variant of an acetylcholinesterase (ACHE) gene or fragment, protein or
 CC complement, the variant comprising an ACHE isogene defined by a haplotype
 CC selected from haplotypes 1-20 listed in the specification. Also included
 CC are methods for haplotyping and genotyping the ACHE gene of an
 CC individual, a method for predicting a haplotype pair for the ACHE gene of
 CC an individual, a method for identifying an association between a trait
 CC and at least one haplotype or haplotype pair of ACHE gene, recombinant
 CC nonhuman organisms transformed or transfected with the polynucleotide
 CC where the organism expresses ACHE protein encoded by the first nucleotide
 CC sequence or encoded by the polymorphic variant sequence, an isolated
 CC antibody specific for and immunoreactive with ACHE, a method of screening
 CC for drugs targeting the polypeptide contacting ACHE, a polymorphic variant
 CC with a candidate agent and assaying for binding activity, a computer
 CC system for storing and analysing polymorphism data for ACHE gene and a
 CC genome anthology for ACHE gene which comprises ACHE isogenes defined by
 CC haplotypes 1-20 given in the specification. The polymorphisms are useful
 CC for studying the biological function of ACHE as well as in identifying
 CC drugs targeting this protein for the treatment of disorder related to its
 CC abnormal expression or function. The polymorphic variants may also be
 CC used in screening for compounds targeting ACHE to treat a specific
 CC condition or disease predicted to be associated with ACHE activity e.g.
 CC neurological diseases (e.g. Parkinson's disease and Alzheimer's disease),
 CC cancer, leukaemia, and tumours. The ACHE gene maps to human chromosome
 CC 7q22. The present sequence is an allele specific oligonucleotide (ASO)
 CC PCR primer used to detect the polymorphic ACHE variants of the invention
 XX

SQ Sequence 15 BP; 2 A; 2 C; 7 G; 3 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 78.6%; Pred. No. 6.5e+02;
 Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1653 CAGCACCAGGCTC 1666
 DB 15 CRAGCCCGAGACTC 2
 ||| ||||| |||
 ||| ||||| |||

RESULT 1310

ABK16934

ID ABK16934 standard; DNA; 15 BP.

XX ABK16934;

XX 26-MAR-2002 (first entry)

DE Pyridoxal (Pyridoxine, vitamin B6) Kinase (PDXK) probe #14.

KW Pyridoxal kinase; pyridoxine; vitamin B6;

KW PDXK autoimmune polyglandular disease type 1; transgenic animal;
 KW gene therapy; allele specific oligonucleotide; ASO; probe; ss.

OS Homo sapiens.

XX WO200190125-A2.

XX 29-NOV-2001.

XX 24-MAY-2001; 2001WO-US016909.

XX 24-MAY-2000; 2000US-0206664P.

XX (GENA-) GENAISSANCE PHARM INC.

XX PI Chew A, Duda A, Koshy B;
XX DR WPI; 2002-106169/14.
XX PT Isolated human pyridoxal (pyridoxine, vitamin B6) kinase polyNTs, useful
XX PT for therapeutic purposes, for studying the expression and function of the
XX PT polyNT, and for expressing pyridoxal protein.
XX PS Claim 17; Page 13; 135pp; English.
XX CC The invention describes an isolated human pyridoxal (pyridoxine, vitamin
XX CC B6) kinase, (PDXK) polynucleotide. The polynucleotide is useful in
XX CC studying the expression and function of PDXK, and in expressing PDXK
XX CC protein for use in screening for candidate drugs to treat PDXK related
XX CC diseases and for therapeutic purposes. A transgenic animal is useful for
XX CC studying expression of the PDXK isogenes in vivo, for in vivo screening
XX CC and testing of drugs targeted against PDXK protein, and for testing the
XX CC efficacy of therapeutic agents and compounds for autoimmune polyglanular
XX CC disease type 1. The polypeptide is useful for studying the effect of the
XX CC variation on the biological activity of PDXK and the binding affinity of
XX CC candidate drugs targeting PDXK for the treatment of autoimmune
XX CC polyglanular disease type 1. Genotyping and haplotyping is useful for
XX CC improving the efficacy and reliability of several steps in the discovery
XX CC and development of drugs for treating diseases associated with PDXK
XX CC activity, e.g., autoimmune polyglanular disease type 1, to validate PDXK
XX CC as a candidate agent for treating a specific condition or disease
XX CC predicted to be associated with PDXK activity, and in the design of
XX CC clinical trials of candidate drugs. This sequence is one of 20 (see
XX CC AK16921-ASK16940) allele specific oligonucleotide (ASO) probe used for
XX CC detecting PDXK gene polymorphisms, described in the method of the
XX CC invention
XX SQ Sequence 15 BP; 4 A; 5 C; 4 G; 1 T; 0 U; 1 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 78.6%; Pred. No. 6.5e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
OY 1655 AGCACCAGGCTCAC 1668
Db |||||
2 AGCACCAGGATGAC 15
RESULT 1311
ABL52230/C
ID ABL52230 standard; DNA; 15 BP.
XX AC ABL52230;
XX DT 15-JUL-2002 (first entry)
XX DE Human PHKG2 allele specific oligonucleotide primer SEQ ID NO:17.
XX KW Human; phosphorylase kinase gamma 2 (testis); PHKG2; enzyme; SNP;
XX KW phosphorylase kinase gamma 2; single nucleotide polymorphism;
XX KW polymorphic; hepatotropic; gene therapy; glycogen storage disease;
XX KW liver cirrhosis; allele specific oligonucleotide; ASO; primer; ss.
XX OS Homo sapiens.
XX PH Key Location/Qualifiers
XX FT misc_feature 14
XX FT /tag= a
XX FT /note= "polymorphic site indicated by an ambiguity base"
XX PN WO200194365-A2.
XX PD 13-DEC-2001.
XX PF 11-JUN-2001; 2001WO-US018814.
XX PN 09-JUN-2000; 2000US-0210568P.

XX PA (GENA-) GENAISSANCE PHARM INC.
XX PI Choi JY, Koshy B, Sanchis A, Sausker EA;
XX DR WPI; 2002-404359/43.
XX PT New variants of phosphorylase kinase gamma 2 isogenes, useful for
XX PT improving efficiency and reliability in the development of drugs for
XX PT treating diseases e.g. liver cirrhosis.
XX PS Claim 16; Page 13; 76pp; English.
XX CC The present invention describes an isolated polynucleotide (I) comprising
XX CC a nucleotide sequence which is a polymorphic variant of a reference
XX CC sequence for human phosphorylase kinase gamma2 (testis) (PHKG2) gene or
XX CC its fragment, or a polymorphic variant of a reference sequence for a
XX CC PHKG2 cDNA or its fragment. Also described is an isolated polypeptide
XX CC (II) comprising an amino acid sequence which is a polymorphic variant of
XX CC a reference sequence for PHKG2 protein or its fragment, where the
XX CC reference sequence comprises a sequence (see ABB09290) of 406 amino
XX CC acids, and the polymorphic variant comprises one or more variant amino
XX CC acid selected from glutamic acid at a position corresponding to amino
XX CC acid position 153 and tryptophan at position corresponding to amino acid
XX CC position 329. (I) has hepatotropic activity and can be used in gene
XX CC therapy. (II) is useful in screening for drugs targeting (II), by
XX CC contacting a PHKG2 polymorphic variant with a candidate agent and
XX CC assaying for binding activity. The identified candidate agents targeting
XX CC PHKG2, are useful for treating liver cirrhosis and glycogen storage
XX CC diseases. The present sequence represents an allele specific
XX CC oligonucleotide (ASO) primer for the PHKG2 gene, which is used in the
XX CC exemplification of the present invention
XX SQ Sequence 15 BP; 3 A; 1 C; 9 G; 1 T; 0 U; 1 Other;
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 78.6%; Pred. No. 6.5e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
OY 1736 CTCCCACTCTCTCC 1749
Db |||||
15 CYCCCACTCTCTGC 2
RESULT 1312
ABT05335/C
ID ABT05335 standard; DNA; 15 BP.
XX AC ABT05335;
XX DT 24-OCT-2002 (first entry)
XX DE Human N-acetylgalactosaminidase (NAGA) alpha gene ASO primer 27.
XX KW Human; PCR; primer; ss; gene therapy; N-acetylgalactosaminidase alpha;
XX KW chromosome 22q13.2-q13.31; lysosomal glycohydrolase; screening; SNP;
XX KW NAGA-related disease; single nucleotide polymorphism; haplotyping; NAGA;
XX KW genotyping.
XX OS Homo sapiens.
XX PN WO200194637-A1.
XX PD 13-DEC-2001.
XX PF 07-JUN-2001; 2001WO-US018456.
XX PN 07-JUN-2000; 2000US-02-0110P.
XX PA (GENA-) GENAISSANCE PHARM INC.
XX PI Duda A, Kazemi A, Koshy B, Parks KE;
XX XX

DR WPI; 2002-566449/60.

PT New genetic variants of isolated N-acetylgalactosaminidase (NAGA), Alpha

PT gene, useful for therapeutic purposes, for studying the expression and

PT function of the polynucleotide, and for expressing NAGA protein.

XX

PS Claim 16; Page 13; 91pp; English.

XX

CC The invention comprises the amino acid and coding sequence of the human N

CC -acetylgalactosaminidase (NAGA) alpha protein. The invention specifically

CC comprises novel polymorphic sites identified within the NAGA gene. The

CC NAGA gene is located on chromosome 22q13.2-q13.31, and encodes a

CC lysosomal glycosylase that cleaves alpha-N-acetylgalactosaminyl

CC moieties in glycoconjugates. The NAGA DNA and protein sequences of the

CC invention are useful for studying the expression and function of NAGA and

CC for screening candidate drugs to treat diseases related to NAGA activity.

CC The NAGA gene polymorphisms identified in the present invention are

CC useful for haplotyping and genotyping the NAGA gene of an individual. The

CC present DNA sequence represents an N-acetylgalactosaminidase gene allele-

CC specific oligonucleotide primer

XX

SQ Sequence 15 BP; 3 A; 2 C; 7 G; 2 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;

Best Local Similarity 91.7%; Pred. No. 6.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1737 TCCCACTCTCTC 1748

Db ||||| |||||

12 TCCCACTCTCTC 1

RESULT 1313

ABA96065/C

ID ABA96065 standard; DNA; 15 BP.

XX

AC ABA96065;

XX

DT 08-APR-2002 (first entry)

XX

DE CYP8B1 allele-specific oligonucleotide primer #8.

XX

XX Primer; CYP8B1; allele-specific oligonucleotide; ASO; cytochrome P450;

KW VIIIB; cardiant; gene therapy; cardiovascular disorder; human; ss.

KW

XX Homo sapiens.

OS

XX WO200179224-A2.

PN

XX 25-OCT-2001.

PD

XX 12-APR-2001; 2001WO-US011946.

PF

XX 12-APR-2000; 2000US-0196408P.

PR

XX (GENA-) GENAISSANCE PHARM INC.

PA

XX Bentivegna SC, Chew A, Choi JY, Koshy B, Stephens JC;

PI

XX WPI; 2002-075057/10.

DR

XX Novel polymorphic variants of cytochrome P450 subfamily VIIIB gene useful

PT in studying expression and function of the protein, for screening

PT candidate drugs to treat diseases e.g. cardiovascular disorders.

XX

PS Claim 15; Page 13; 63pp; English.

XX

CC The sequence represents an allele-specific oligonucleotide (ASO) primer,

CC used in the invention to detect polymorphisms in the CYP8B1 gene. The

CC invention relates to a novel isolated polynucleotide which is a

CC polymorphic variant of a reference sequence for cytochrome P450 subfamily

CC VIIIB (CYP8B1) gene or their fragment. The polynucleotides of the

CC invention have cardiant activity, and may have a use in gene therapy. A

CC polymorphic variant of the CYP8B1 protein is useful for screening drugs

CC targeting CYP8B1. A haplotype or haplotype pair is useful for improving

CC the efficiency and reliability of several steps in the discovery and

CC development of drugs for treating diseases associated with CYP8B1

CC activity e.g., cardiovascular disorders. The invention includes a method

CC for haplotyping CYP8B1 gene in an individual, which can also be used to

CC validate CYP8B1 as a candidate target for, and in design of clinical

CC trials of candidate drugs for, treating a specific condition drugs or

CC disease predicted to be associated with CYP8B1 activity. A method is also

CC included for genotyping CYP8B1 gene of an individual which can also be

CC used in developing diagnostic tests and therapeutic treatments. The

CC advantage to this is that without requiring any a prior knowledge of the

CC phenotypic effect of any particular CYP8B1 haplotype or haplotype pair,

CC the invention provides a method to identify lead compounds that are more

CC likely to show efficacy in clinical trials

XX

SQ Sequence 15 BP; 2 A; 2 C; 6 G; 4 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;

Best Local Similarity 78.6%; Pred. No. 6.5e+02;

Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1748 CCTATCTCTAAAGG 1761

Db |. | | | | | | | | |

15 CYCCATCTCTCAAGG 2

RESULT 1314

ABQ72276

ID ABQ72276 standard; DNA; 15 BP.

XX

AC ABQ72276;

XX

DT 02-SEP-2002 (first entry)

XX

DE Human CYP2D6 allele-specific oligonucleotide (ASO) primer, SEQ ID NO:63.

XX

KW Human; cytochrome P450; subfamily IID polypeptide 6; CYP2D6; enzyme;

KW chromosome 22q13.1; drug metabolism; detoxification; mono-oxygenase;

KW antiarrhythmic; arrhythmia; adrenoceptor antagonist; hypertension;

KW tricyclic antidepressant; procainamide; drug induced lupus syndrome;

KW environmentally linked disease; Parkinson's disease; haplotyping;

KW genotyping; haplotype; genetic variant; single nucleotide polymorphism;

KW SNP; drug screening; drug discovery; allele-specific oligonucleotide;

KW ASO; primer; ss.

XX

XX Homo sapiens.

OS

XX WO200238589-A2.

PN

XX 16-MAY-2002.

PD

XX 09-NOV-2001; 2001WO-US047396.

PF

XX 09-NOV-2000; 2000US-0247943P.

PR

XX (GENA-) GENAISSANCE PHARM INC.

PA

XX Anastasio AE, Chew A, Choi JY, Denton RR, Nandabalan K;

PI Petersen N, Rounds E;

PI

XX WPI; 2002-519292/55.

DR

XX Novel genetic variants of Cytochrome P450, Subfamily IID, Polypeptide 6

PT isoenzymes, useful for improving efficiency and reliability in drug

PT development for treating hypertension, arrhythmias and Parkinson's

PT disease.

XX

PS Claim 15; Page 18; 158pp; English.

XX

CC The invention relates to a method for haplotyping the cytochrome P450,

CC subfamily IID, polypeptide 6 (CYP2D6) gene (ABQ72215, ABQ72364) of an

CC individual, and also describes 29 novel polymorphic sites within the

CC human CYP2D6 gene. The CYP2D6 gene is located on chromosome 22q13.1 and
CC contains 9 exons which encode a 497 amino acid protein (AB09563). CYP2D6
CC is a mono-oxygenase involved in the detoxification of many drugs and
CC environmental chemicals. It plays a role in the metabolism of drugs such
CC as antiarrhythmics, adrenoceptor antagonists and tricyclic
CC antidepressants, and is also involved in the formation of a metabolite
CC linked to the drug-induced lupus syndrome observed with procainamide.
CC Variations in CYP2D6 activity or expression may also influence an
CC individual's susceptibility to environmentally-linked diseases, and it
CC has been demonstrated that CYP2D6 activity may be involved in the
CC pathogenesis of Parkinson's disease, with individuals with a less active
CC form of the enzyme tending to have an earlier onset of this condition.
CC CYP2D6 nucleic acid sequences are useful in studying the expression and
CC function of CYP2D6, and in expressing CYP2D6 protein for use in screening
CC drugs for the treatment of CYP2D6-associated diseases (e.g.,
CC hypertension, atrial and ventricular arrhythmias, Parkinson's disease,
CC and drug-induced lupus syndrome) or which are metabolised by CYP2D6.
CC CYP2D6 nucleic acids and proteins are also useful in studying the effect
CC of polymorphisms on the biological activity of CYP2D6. Polymorphisms in
CC the target region may be determined by the use of allele-specific
CC oligonucleotides (ASOs; ABQ7217-ABQ72303) as probes and primers, and by
CC primer extension using oligonucleotide primers comprising sequences
CC ABQ72304-ABQ72361. The method of the invention is useful for haplotyping
CC the CYP2D6 gene in populations and in individuals, enabling decisions to
CC be made as to whether CYP2D6 is a likely therapeutic target for a disease
CC of interest, and to control for genetically-based bias in the design of
CC drugs that target or are metabolised by CYP2D6. In addition, transgenic
CC animals comprising a human CYP2D6 gene are useful for studying the
CC expression of CYP2D6 isogenes in vivo, for in vivo screening and testing
CC of drugs targeted to or metabolised by CYP2D6, and for testing the
CC efficacy of therapeutic agents and compounds for treating CYP2D6-
CC associated conditions in a biological system. Sequences ABQ72246-
CC ABQ72303 represent specifically claimed allele-specific oligonucleotide
CC (ASO) primers used for detecting polymorphisms in the CYP2D6 gene
XX
SQ Sequence 15 BP; 4 A; 3 C; 7 G; 0 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 78.6%; Pred. No. 6.5e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1650 AGCGACGACCCAGG 1663
DB 1 AGCGAAGCGCGGK 14

RESULT 1315
ABL91070/c
ID ABL91070 standard; DNA; 15 BP.

XX ABL91070;

XX 27-MAY-2002 (first entry)

XX Hominiidae LDL receptor related DNA sequence #123.

XX Hominiidae; low density lipoprotein receptor; LDL receptor; LDL-R;
XX detection; lipid metabolic error; hyperlipaemia; mutation;
XX arteriosclerosis; ischaemic heart disease; ischaemia; ds.

XX Hominiidae.

OS Synthetic.

XX WO200206467-A1.

XX 24-JAN-2002.

XX 17-JUL-2001; 2001WO-JP006153.

XX 18-JUL-2000; 2000JP-00218039.

XX (BMLB-) BML INC.

PI Hattori H, Tsuji M, Okada T, Nagano M, Egashira T, Ishihara M;
PI Iwasaki T;
XX
DR WPI; 2002-179794/23.
XX
PT Set of specific low density lipoprotein receptor gene mutations for
PT diagnosis of familial lipid metabolism errors including hyperlipemia.
XX
PS Example; Fig 45; 123pp; Japanese.
XX
CC The present invention describes a method for detecting lipid metabolism
CC errors in patients using as indicators a set of 65 specific low density
CC lipoprotein (LDL) receptor gene mutations. The method can be used in the
CC diagnosis of an inherited predisposition to the development of diseases
CC associated with hyperlipaemia, such as arteriosclerosis and ischaemic
CC heart disease. ABL91141 encodes the LDL receptor given in AB908325.
CC ABL91142 to ABL91183 represent PCR primers used in the amplification of
CC the receptor gene. ABL90990 to ABL91140 and AB90445 to AB90524
CC represents sequences used in the exemplification of the present invention
XX
SQ Sequence 15 BP; 3 A; 9 C; 1 G; 1 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 6.5e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1631 GGATGGGCTTGT 1643
DB 13 GGATGGGCTGCT 1

RESULT 1316
ABL51958/c
ID ABL51958 standard; DNA; 15 BP.

XX ABL51958;

XX 11-JUL-2002 (first entry)

XX Human SLC18A2 allele specific oligonucleotide probe SEQ ID NO:6.

XX Human; solute carrier family 18 member 2; SLC18A2; vesicular monoamine;
XX vesicular monoamine transporter; VMAT2; polymorphic site; SNP;
XX single nucleotide polymorphism; antiinflammatory; neuroleptic;
XX haplotyping; genotyping; respiratory inflammatory disease;
XX neuropsychiatric disorder; monoaminergic brain system; probe; ss.

XX Homo sapiens.

XX Key Location/Qualifiers

FT misc_feature 8

FT /tag= a

FT /note= "polymorphic site indicated by an ambiguity base"

XX WO200222652-A2.

XX 21-MAR-2002.

XX 17-SEP-2001; 2001WO-US042217.

XX 15-SEP-2000; 2000US-0232895P.

XX (GENA-) GENAISANCE PHARM INC.

XX Anastasio AE, Han J, Kliem SE, Sausker EA;

XX WPI; 2002-393942/42.

XX Novel genetic variants of soluble carrier family 18 (vesicular
XX monoamine), member 2 gene useful for screening drugs to treat diseases
XX e.g. neuropsychiatric disorders involving monoaminergic brain systems.
XX
XX Claim 17; Page 14; 183pp; English.

XX The present invention describes an isolated polynucleotide (I) having a
 CC sequence (S1) comprising soluble carrier family 18 (vesicular monoamine),
 CC member 2 (SLC18A2) isogene selected from 49 isogenes with regions of a
 CC sequence (S2) of 40023 bp (see ABU51954), and defined by a corresponding
 CC set of polymorphisms whose locations and identities are given in the
 CC specification; or a sequence (S2) complementary to (S1). (I) has
 CC antiinflammatory and neuroleptic activities, and can be used in gene
 CC therapy. Methods from the present invention can be used for haplotyping
 CC and genotyping the SLC18A2 gene in an individual. SLC18A2 is also known
 CC as the vesicular monoamine transporter (VMAT2). (I) is useful in studying
 CC the expression and function of SLC18A2, and in expressing the SLC18A2
 CC protein for use in screening for candidate drugs to treat diseases
 CC related to SLC18A2 activity and in studying the effect of the variation
 CC on the biological activity of SLC18A2 as well as on the binding affinity
 CC of candidate drugs targeting SLC18A2 for the treatment of respiratory
 CC inflammatory diseases such as neuropsychiatric disorders involving
 CC monoaminergic brain systems. The present sequence represents an allele
 CC specific oligonucleotide (ASO) probe for human SLC18A2, which is given in
 CC the present invention
 XX
 SQ Sequence 15 BP; 4 A; 3 C; 4 G; 3 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 78.6%; Pred. No. 6.5e+02;
 Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1662 GGCTCAGCTGGA 1675

Db 14 GGCTCAYACCTGTA 1

RESULT 1317

ABK15156

ID ABK15156 standard; DNA; 15 BP.

AC ABK15156;

DT 23-APR-2002 (first entry)

DE Human HNF3A allele-specific oligonucleotide primer #9.

XX Hepatocyte nuclear factor 3 alpha; HNF3A; human; genotype; primer;
 KW allele specific oligonucleotide; polymorphism; chromosome 14q12-q13;
 KW glucose homeostasis; hypoglycaemia; diabetes; haplotype; ss.

OS Homo sapiens.

PN WO200200675-A2.

XX 03-JAN-2002.

PF 25-JUN-2001; 2001WO-US020213.

XX 23-JUN-2000; 2000US-0213635P.

PR (GENA-) GENAISSANCE PHARM INC.

PA (LANZ/) LANZ E M.

PA (PARK/) PARKS K E.

XX (SANC/) SANCHIS A.

PI Lanz EM, Parks KE, Sanchis A;

XX WPI; 2002-130872/17.

XX Isolated polynucleotide comprising a polymorphic variant of the

PT Hepatocyte Nuclear Factor 3, Alpha (HNF3A) gene useful for providing
 PT haplotype information and in therapy for treating related disorders.

XX Claim 16; Page 13; 67pp; English.

XX This invention relates to novel polymorphic genetic variants of the human
 CC hepatocyte nuclear Factor 3, Alpha (HNF3A) gene, the HNF3A gene is

CC located on human chromosome 14q12-q13. HNF3A is required in mice for the
 CC full activation of glucagon in the pancreas and as such this gene may be
 CC important for the treatment of glucose homeostasis disorders such as
 CC hypoglycaemia and diabetes. The invention also comprises the nucleotide
 CC probes and primer sequences that can be used in a method of the invention
 CC to genotype individuals and detect polymorphic sites. The HNF3A isoforms
 CC and polymorphic variants of the invention are useful for providing
 CC haplotype and genotype information about an individual. Furthermore, this
 CC sequence is useful for the treatment of diseases or disorders related to
 CC its abnormal expression or function. The present sequence represents the
 CC HNF3A allele specific oligonucleotide (ASO) primer #9 used in conjunction
 CC with an ASO probe in the method of the invention to detect and
 CC discriminate between different alleles of the HNF3A polymorphic variants
 XX

SQ Sequence 15 BP; 1 A; 6 C; 5 G; 2 T; 0 U; 1 Other;

Query Match

Best Local Similarity 7.5%; Score 10.4; DB 1; Length 15;

Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1688 COTCCAGCTGGTG 1701

Db 2 COTCCATCGGGYG 15

RESULT 1318

ABL91860/c

ID ABL91860 standard; DNA; 15 BP.

XX ABL91860;

DT 11-JUL-2002 (first entry)

DE Human LIPG gene allele specific oligonucleotide primer 39.

XX Human; ss; allele specific oligonucleotide; primer;
 KW single nucleotide polymorphism; SNP; lipase endothelial isogene; LIPG;
 KW drug screening; atherosclerosis; cardiovascular disorder;
 KW LIPG haplotyping; LIPG genotyping.

OS Homo sapiens.

XX WO200216397-A2.

XX 28-FEB-2002.

XX 17-AUG-2001; 2001WO-US026639.

XX 25-AUG-2000; 2000US-0227825P.

XX (GENA-) GENAISSANCE PHARM INC.

XX Duda A, Kazemi A, Kliehm SE, Messer C;

XX WPI; 2002-292055/33.

XX Novel genetic variants of Lipase, Endothelial isogenes, useful for
 PT improving efficiency and reliability in drug development for treating
 PT diseases associated with LIPG activity, e.g. atherosclerosis.

XX Claim 16; Page 14; 134pp; English.

XX The invention comprises the DNA and amino acid sequence of the human
 CC lipase, endothelial (LIPG) isogene. Specifically, the invention relates
 CC to the discovery of 20 novel polymorphic sites within the LIPG gene. The
 CC LIPG coding sequence and protein are useful for screening drugs that can
 CC be used to treat atherosclerosis and other cardiovascular disorders. The
 CC LIPG coding sequence can also be used to haplotype and genotype the LIPG
 CC gene of an individual. The DNA sequences ABL91822 - ABL91861 represent
 CC LIPG gene allele specific oligonucleotide primers
 XX

SQ Sequence 15 BP; 1 A; 4 C; 7 G; 2 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 78.6%; Pred. No. 6.5e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTG 1673
DB 15 CRGACACCCAGCTG 2

RESULT 1319
ABK96133
ID ABK96133 standard; DNA; 15 BP.
XX AC
XX ABK96133;
XX 24-SEP-2002 (first entry)
XX Human CYP1A2 allele specific PCR primer #32.
XX Human; ss; PCR; Cytochrome P450 subfamily 1 polypeptide 2; primer;
KW CYP1A2; cancer; tardive dyskinesia; TD; porphyria cutanea tarda; PCT;
KW chromosome 15q22-qter; haplotype; genotype; cytostatic; muscular-gen;
KW hepatotropic.
XX OS Homo sapiens.
XX WO200236608-A2.
XX 10-MAY-2002.
XX 11-OCT-2001; 2001WO-US042637.
XX 11-OCT-2000; 2000US-0239740P.
XX (GENA-) GENAISSANCE PHARM INC.
XX Bentivegna SC, Kazemi A, Koshly B, Parks KE, Rounds E, Sausker EA;
PI WPI; 2002-519230/55.
XX Novel genetic variants of Cytochrome P450, Subfamily I (Aromatic Compound
PT -Inducible) isoenzymes, useful for improving efficiency and reliability in
PT drug development for treating cancers.
XX Claim 14; Page 15; 93pp; English.
XX The invention relates to an isolated polynucleotide comprising a first
CC nucleotide sequence which comprises cytochrome P450, subfamily I
CC (aromatic compound-inducible) (CYP1A2), selected from isogenes 1-8 and 10
CC of a CYP1A2 gene sequence (ABK87391) or the cDNA (ABK87392). Also
CC included are haplotyping or genotyping CYP1A2 gene of an individual,
CC predicting a haplotype pair for CYP1A2 gene of an individual, identifying
CC an association between a trait and at least one haplotype or haplotype
CC pair of CYP1A2 gene, primers and probes for performing the
CC genotyping/haplotyping, a recombinant non-human organism transformed or
CC transfected with the CYP1A2 polynucleotide, where the organism expresses
CC a CYP1A2 protein or variant, a fragment of a CYP1A2 isogene comprising at
CC least 10 nucleotides and a polymorphism selected from the 18 identified
CC polymorphisms, polymorphic variants of the CYP1A2 polypeptide, an anti-
CC CYP1A2 monoclonal antibody, a computer system for storing and analysing
CC polymorphism data for the CYP1A2 gene, and a genome anthology for CYP1A2
CC gene. The polymorphic variants, haplotyping/genotyping methods and
CC antibodies are useful in diagnostic, prognostic and therapeutic methods
CC and in screening for drugs that are useful for treating cancers, tardive
CC dyskinesia (TD) and porphyria cutanea tarda (PCT). The gene for CYP1A2 is
CC located on chromosome 15q22-qter. The present sequence is an allele
XX specific PCR primer used to detect the polymorphisms
XX Sequence 15 BP; 1 A; 3 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 78.6%; Pred. No. 6.5e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTG 1673
DB 15 CRGACACCCAGCTG 2

RESULT 1320
ABK32335
ID ABK32335 standard; DNA; 15 BP.
XX AC
XX ABK32335;
XX 23-APR-2002 (first entry)
XX Human colon cancer SAGE tag #436.
XX Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
KW serial analysis of gene expression; diagnostic; prognostic; probe;
KW cancer marker; ss.
XX OS Homo sapiens.
XX US6333152-B1.
XX 25-DEC-2001.
XX 20-MAY-1998; 98US-00081646.
XX 20-MAY-1998; 98US-00081646.
XX (UYJO) UNIV JOHNS HOPKINS.
XX Vogelstein B, Kinzler KW, Zhang L, Zhou W;
PI WPI; 2002-153821/20.
XX New human nucleic acid containing specific SAGE tags, useful as
PT diagnostic markers for cancer, also derived probes.
XX Disclosure; Col 50; 161pp; English.
XX The invention relates to an isolated, purified human nucleic acid (I)
CC that has the same sequence as a mRNA found in humans and is a SAGE
CC (serial analysis of gene expression) tag comprising a single stranded
CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
CC diagnostic and prognostic markers of cancer, especially of the colon and
CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
CC SAGE tags of the invention
XX Sequence 15 BP; 4 A; 5 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 92.7%; Pred. No. 6.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1733 TGGTCTCCCAACT 1744
DB 3 TGGATCCCAACT 14

RESULT 1321
ABX01169
ID ABX01169 standard; RNA; 15 BP.
XX AC
XX ABX01169;
XX 23-DEC-2002 (first entry)
XX Hepatitis C virus subsequence #951 for HCV hammerhead ribozyme #951.
XX Enzymatic nucleic acid; RNA cleavage; Hepatitis C virus infection;
KW HCV ribozyme; HCV expression; HCV replication; cirrhosis; virucide;

KW liver failure; hepatocellular carcinoma; HCV infection; drug therapy;
KW type I interferon; interferon alpha; interferon beta; cytostatic;
KW interferon gamma; consensus interferon; hepatotropic; antiinflammatory;
KW substrate; hammerhead ribozyme; HH ribozyme; ss.

OS Hepatitis C virus.

PN US2002082225-A1.

PD 27-JUN-2002.

XX 23-MAR-1999; 99US-00274553.

XX 23-MAR-1999; 99US-00274553.

XX (BLAT/) BLATT L.

PA (MCSW/) MCSWIGGEN J A.

PA (ROBE/) ROBERTS B.

PA (PAVC/) PAVCO P A.

PA (MACE/) MACEJACK D.

XX

PI Blatt L, Mcswiggen JA, Roberts B, Pavco PA, Macejack D;

XX WPI; 2002-617759/66.

XX New ribozymes targeting RNA derived from hepatitis C virus inhibit viral

PT replication and are useful to treat hepatitis C virus infections and
PT cirrhosis, liver failure or hepatocellular carcinoma.

XX Claim 1; Page 48; 80pp; English.

CC The present invention relates to enzymatic nucleic acids which
CC specifically cleave RNA derived from Hepatitis C virus (HCV). The
CC enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin
CC (HP) motif where the binding arms comprise sequences complementary to one
CC of the substrate sequences defined in the specification. The HCV
CC ribozymes are useful for modulating the expression and/or replication of
CC HCV. They can be used to treat cirrhosis, liver failure and/or
CC hepatocellular carcinoma. The HCV ribozymes are also useful for treating
CC a condition associated with HCV infection in conjunction with one or more
CC other drug therapies, particularly type I interferon, especially
CC interferon alpha, beta or gamma or consensus interferon. The present
CC sequence represents a substrate for a HCV hammerhead (HH) ribozyme. Note:
CC Some of the sequence data for this patent did not form part of the
CC printed specification. The complete sequence data for this patent was
CC obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/psipdbEntry.html

XX Sequence 15 BP; 2 A; 5 C; 4 G; 0 T; 4 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;

Best Local Similarity 75.0%; Pred. No. 6.5e+02;

Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1688 CCTCCAGCGTGG 1699

Db 1 CCUCCAUUGUGG 12

RESULT 1322

ABX00579/c

ID ABX00579 standard; RNA; 15 BP.

XX AC ABX00579;

XX

DT 23-DEC-2002 (first entry)

XX

XX Hepatitis C virus substrate #361 for HCV hammerhead ribozyme #361.

XX Enzymatic nucleic acid; RNA cleavage; Hepatitis C virus infection;

XX HCV ribozyme; HCV expression; HCV replication; cirrhosis; virucide;

XX liver failure; hepatocellular carcinoma; HCV infection; drug therapy;

XX type I interferon; interferon alpha; interferon beta; cytostatic;

XX

KW interferon gamma; consensus interferon; hepatotropic; antiinflammatory;
KW substrate; hammerhead ribozyme; HH ribozyme; ss.

OS Hepatitis C virus.

PN US2002082225-A1.

PD 27-JUN-2002.

XX 23-MAR-1999; 99US-00274553.

XX 23-MAR-1999; 99US-00274553.

XX (BLAT/) BLATT L.

PA (MCSW/) MCSWIGGEN J A.

PA (ROBE/) ROBERTS B.

PA (PAVC/) PAVCO P A.

PA (MACE/) MACEJACK D.

XX

PI Blatt L, Mcswiggen JA, Roberts B, Pavco PA, Macejack D;

XX WPI; 2002-617759/66.

XX New ribozymes targeting RNA derived from hepatitis C virus inhibit viral

PT replication and are useful to treat hepatitis C virus infections and
PT cirrhosis, liver failure or hepatocellular carcinoma.

XX Claim 1; Page 31; 80pp; English.

CC The present invention relates to enzymatic nucleic acids which
CC specifically cleave RNA derived from Hepatitis C virus (HCV). The
CC enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin
CC (HP) motif where the binding arms comprise sequences complementary to one
CC of the substrate sequences defined in the specification. The HCV
CC ribozymes are useful for modulating the expression and/or replication of
CC HCV. They can be used to treat cirrhosis, liver failure and/or
CC hepatocellular carcinoma. The HCV ribozymes are also useful for treating
CC a condition associated with HCV infection in conjunction with one or more
CC other drug therapies, particularly type I interferon, especially
CC interferon alpha, beta or gamma or consensus interferon. The present
CC sequence represents a substrate for a HCV hammerhead (HH) ribozyme. Note:
CC Some of the sequence data for this patent did not form part of the
CC printed specification. The complete sequence data for this patent was
CC obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/psipdbEntry.html

XX Sequence 15 BP; 3 A; 5 C; 4 G; 0 T; 3 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 15;

Best Local Similarity 91.7%; Pred. No. 6.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1695 CGTGGTGGAGCT 1706

Db 15 CGTAGTGGAGCT 4

RESULT 1323

AAS99325/c

ID AAS99325 standard; DNA; 15 BP.

XX AC AAS99325;

XX

DT 12-MAR-2002 (first entry)

XX

XX Aldehyde dehydrogenase 5 family, member A1, oligonucleotide #18.

XX Aldehyde dehydrogenase 5 family member A1; ALDH5A1;

XX succinate-semialdehyde dehydrogenase; gene therapy; probe;

XX antisense technology; allele specific oligonucleotide; ASO;

XX 4-hydroxybutyric aciduria; metabolic disease; transgenic animal; ss.

XX

OS Synthetic.

XX	WO200190119-A2.
XX	
XX	29-NOV-2001.
XX	
XX	21-MAY-2001; 2001WO-US016558.
XX	
XX	19-MAY-2000; 2000US-0205849P.
XX	(GENA-) GENAISANCE PHARM INC.
XX	
XX	Kliem SE, Koshy B, Tanguay DA;
XX	WPI; 2002-089912/12.
XX	
XX	Claim 16; Page 13; 15pp; English.
XX	
XX	The invention describes an isolated polynucleotide comprising a
XX	nucleotide sequence which is a polymorphic variant of a reference
XX	sequence for the aldehyde dehydrogenase 5 family, member A1 (succinate-
XX	semialdehyde dehydrogenase) (ALDH5A1) gene or its fragment. The
XX	polypeptide is useful for screening for drugs targeting it by contacting
XX	the ALDH5A1 polymorphic variant with a candidate agent and assaying for
XX	binding activity. The polypeptide and haplotypes are useful for
XX	identifying an association between a trait such as a clinical response to
XX	a drug targeting ALDH5A1 and a haplotype ALDH5A1 gene. Transgenic animals
XX	are also useful for studying expression of the ALDH5A1 isogenes in vivo,
XX	for in vivo screening and testing of drugs against ALDH5A1 protein and
XX	for testing the efficacy of therapeutic agents and compounds for 4-
XX	hydroxybutyric aciduria and metabolic diseases in a biological system.
XX	Antibodies are useful for diagnostic and prognostic formats and
XX	therapeutic methods, for immunoprecipitating the polypeptide from
XX	solution, for detecting ALDH5A1 protein isoforms in biological samples,
XX	frozen tissue sections, for use in immunocytochemical,
XX	immunohistochemical and immunofluorescence techniques. The polynucleotide
XX	is useful for gene therapy and antisense gene therapy. This sequence is
XX	an allele specific oligonucleotide (ASO) probe used to detect
XX	polymorphisms in the ALDH5A1 gene described in the method of the
XX	invention
XX	
XX	Sequence 15 BP; 1 A; 7 C; 3 G; 3 T; 0 U; 1 Other;
XX	
XX	Query Match 7.5%; Score 10.4; DB 1; Length 15;
XX	Best Local Similarity 78.6%; Pred. No. 6.5e+03;
XX	Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	
QY	1727 GGAGATTGGCTCCC 1740
Db	:
	14 GGAGAGYGGCTCAC 1
XX	
XX	RESULT 1324
AD	AAD47770
ID	AAD47770 standard; DNA; 15 BP.
XX	
AC	AAD47770;
XX	
DT	24-FEB-2003 (first entry)
XX	
DE	Human GNB3 gene polymorphisms detecting ASO primer #22.
XX	
KW	Human; guanine nucleotide binding protein beta polypeptide 3; G protein;
KW	GNB3; polymorphism; obesity; left ventricular hypertrophy; hypertension;
KW	drug discovery; cardiovascular; development process; asthma; anorectic;
KW	gene therapy; primer; 8S.
XX	
OS	Homo sapiens.
XX	
PN	WO200277284-A1.

PD 17-OCT-2002.
 XX 26-MAR-2002; 2002WO-US009187.
 XX 26-MAR-2001; 2001US-00817879.
 PR 08-JUN-2001; 2001US-00877478.
 PR 08-JUN-2001; 2001US-0296876P.
 PR 24-OCT-2001; 2001US-0335059P.
 PR 05-DEC-2001; 2001US-0337055P.
 XX (RIBO-) RIBOZYME PHARM INC.
 PA (BLAT/) BLATT L.
 PA (MACE/) MACEJAK D.
 PA (MCSW/) MCSWIGGEN J.
 PA (MOR/) MORRISSEY D.
 PA (PAVC/) PAVCO P.
 PA (LEEP/) LEE P.
 PA (DRAP/) DRAPER K.
 PA (ROBE/) ROBERTS E.
 XX Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
 PI Draper K, Roberts E;
 PI WPI; 2003-229207/22.
 DR Novel compound useful for treating cirrhosis, liver failure,
 PT hepatocellular carcinoma, or condition associated with hepatitis C virus
 PT infection.
 PT
 XX Example 1; Page 212; 387pp; English.
 XX The present invention relates to nucleic acid molecules which modulate
 CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
 CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
 CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
 CC inozymes, zinczymes, amberyzymes, and G-cleaver ribozymes. Also disclosed
 CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
 CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
 CC as oligonucleotides that specifically bind the Enhancer I region of HBV
 CC DNA. The nucleic acids may be used to modulate the expression of HBV
 CC genes and HBV viral replication. Also disclosed is a method for screening
 CC compounds and/or potential therapies directed against HBV, and compounds
 CC that modulate the expression and/or replication of HCV. The compounds and
 CC methods of the invention are useful for the treatment of degenerative and
 CC disease states related to HBV and HCV infection, replication and gene
 CC expression such as cirrhosis, liver failure, and hepatocellular
 CC carcinoma. The present sequence represents a substrate for one of the HBV
 CC enzymatic nucleic acid sequences disclosed in the present invention
 XX
 SQ Sequence 15 BP; 0 A; 4 C; 3 G; 0 T; 8 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 50.0%; Pred. No. 6.5e+02;
 Matches 6; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
 QY 1680 TGGTGTCCTCC 1691
 :|:|:|:|:
 Db 2 UUGUGUCCUC 13
 RESULT 1326
 AAQ68223/C
 ID AAQ68223 standard; DNA; 16 BP.
 XX AAQ68223;
 XX 25-MAR-2003 (revised)
 DT 02-MAR-1995 (first entry)
 XX Sequence of 5'-hexylamine modified antisense oligo (ODN1).
 XX Antisense oligonucleotide; ODN; modified oligo;
 KW Hepatitis B surface antigen; Hep3B cells; ss.

XX Synthetic.
 OS Key Location/Qualifiers
 XX misc_feature 1
 FT /*tag= a
 FT /label= H2N-(CH2)6-O-PO2-
 FT /note= "modified site"
 XX WO9413325-A2.
 XX 23-JUN-1994.
 XX 15-DEC-1993; 93WO-US012246.
 XX 15-DEC-1992; 92US-00991199.
 XX (MICR-) MICROPROBE CORP.
 XX Meyer RB, Gall AA, Reed MW;
 PI WPI; 1994-217541/26.
 DR New covalently linked conjugates of oligonucleotide, peptide and carrier
 PT -utilising surfactant, poly:amine or targeting ligand as lyso
 PT somotropic drug carrier.
 PT Disclosure; Page 19; 77pp; English.
 XX The inventors claim an oligo-peptide-carrier conjugate in which the three
 CC moieties are covalently linked to one another. The peptide provides a
 CC cleavable linker which is cleaved by enzymes which do not degrade
 CC antisense oligos (ODNs). The ODN-targeting ligand linkage must be stable
 CC to serum proteases, yet cleaved by the lysosomal enzymes in the target
 CC cell. The method involves conjugation of an ODN bearing an electrophilic
 CC crosslinking gp. to a peptide which bears two nucleophilic gps of
 CC differing reactivity. The resulting ODN-peptide conjugate is prepd. to
 CC that a nucleophilic handle remains on the peptide. This gp. is used to
 CC further attach the lysosomotropic carrier to the peptide portion of the
 CC ODN-peptide conjugate. The peptide is therefore also used as a
 CC heterobifunctional linker. Two different model ODNs were used - ODN1 and
 CC ODN2. ODN1 is complementary to the initiation codon region of the mRNA
 CC transcript for the Hepatitis B surface antigen in Hep3B cells. (Updated
 CC on 25-MAR-2003 to correct PN field.)
 XX Sequence 16 BP; 3 A; 7 C; 1 G; 5 T; 0 U; 0 Other;
 SQ Query Match 7.5%; Score 10.4; DB 1; Length 16;
 Best Local Similarity 91.7%; Pred. No. 7e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1719 ACGGAGATGGAG 1730
 |||||
 Db 12 ACGAAGATGGAG 1
 RESULT 1327
 AAS15518
 ID AAS15518 standard; DNA; 16 BP.
 XX AAS15518;
 XX 16-JAN-2002 (first entry)
 DT N-acetyltransferase 2 (NAT2) G191A SNP hybridisation probe #15.
 XX N-acetyltransferase 2; NAT2; human; genotyping; SNP; G191A; probe;
 KW single nucleotide polymorphism; ss.
 XX Synthetic.
 OS Key Location/Qualifiers
 FT variation replace(8,G)

XX PN WO200166804-A2.
 XX PD 13-SEP-2001.
 XX PF 09-MAR-2001; 2001WO-US007775.
 XX PR 09-MAR-2000; 2000US-00521983.
 XX PR 10-JUL-2000; 2000US-00613517.
 XX PA (PROT-) PROTOGENE LAB INC.
 XX PI Cronin MT, Frueh F, Brenman TW;
 XX PS WPI; 2001-616243/71.
 XX PT Determining sequence variation in, or monitoring expression of genes in
 PT target nucleic acid for high-throughput genotyping of (un)known
 PT polymorphisms/mutations, comprises hybridization pattern differences
 PT between target and probe sequences.
 XX Example 5; Page 35; 60pp; English.
 XX CC The invention relates to a method of simultaneously determining the
 CC presence of 2 or more sequence variations in target nucleic acids, or
 CC simultaneously monitoring expression of 2 or more genes. The method
 CC comprises determining differences in hybridisation between the target
 CC nucleic acid and immobilised probes, where differences in hybridisation
 CC between indicates sequence variations or transcription levels. The method
 CC is used for simultaneously determining the presence or absence of two or
 CC more sequence variations in target nucleic acids or simultaneously
 CC monitoring expression of two or more genes in target nucleic acids. The
 CC methods are applicable to high-throughput genotyping of known and unknown
 CC polymorphisms and mutations. The method maximises the information yield
 CC of hybridisation-based array applications by increasing the number of
 CC informative array-immobilised polynucleotide probes. The present sequence
 CC represents N-acetyltransferase 2 (NAT2) G191A single nucleotide
 CC polymorphism (SNP) hybridisation probe #4
 XX SQ Sequence 16 BP; 1 A; 7 C; 2 G; 6 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 16;
 Best Local Similarity 91.7%; Pred. No. 7e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1676 ACCCTGGTGTCT 1687
 |||||
 4 ACCCTGGTGTCT 15
 Db
 RESULT 1330
 ABL57869/C
 ID ABL57869 standard; DNA; 16 BP.
 XX AC ABL57869;
 XX AC
 XX 05-AUG-2002 (first entry)
 DT XX
 DE Human ABCA7 gene PCR primer ABCA7_AO.
 XX KW Human; ABCA7; promoter; immunomodulatory; antiinflammatory; metabolic;
 KW ATP-Binding Cassette; lipid metabolism disorder; immune response;
 KW inflammation; gene therapy; PCR; primer; ss.
 XX OS Homo sapiens.
 XX OS
 XX WO200234903-A2.
 XX PN
 XX PD 02-MAY-2002.
 XX PF 17-OCT-2001; 2001WO-FR003219.
 XX PR 24-OCT-2000; 2000FR-00013649.

PR XX 28-NOV-2000; 2000US-0253141P.
 XX PA (AVET) AVENTIS PHARMA SA.
 XX PA (INRM) INSERM INST NAT SANTE & RECH MEDICALE.
 XX PI Deneffe P, Rosier M, Prades C, Arnould-Reguigne I;
 PI Osorio Y Forteau, Duverger N, Chimini G;
 XX DR WPI; 2002-362799/39.
 XX PT New promoter of the ABCA7 gene, useful for identifying modulators of
 PT transcription and in gene therapy of e.g. disorders of lipid metabolism.
 XX PS Example 3; Page 98; 126pp; French.
 XX CC The present invention relates to ABCA7 gene promoter sequences (ABC
 CC stands for ATP-Binding Cassette), which are used to identify agents (A)
 CC that modulate transcription of nucleic acids placed under control of the
 CC promoter. (A) is potentially useful for treating or preventing defects in
 CC lipid metabolism and defects in mechanisms involved in the immune
 CC response and inflammation. The promoters can also be used in gene therapy
 CC to control expression of therapeutic genes. Analysis of the promoter
 CC sequences can be used diagnostically, particularly to identify subjects
 CC at risk of lipid metabolism disorders. The present sequence is a PCR
 CC primer for human ABCA7, used to illustrate the invention
 XX SQ Sequence 16 BP; 5 A; 5 C; 6 G; 0 T; 0 U; 0 Other;
 Query Match 7.5%; Score 10.4; DB 1; Length 16;
 Best Local Similarity 91.7%; Pred. No. 7e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1678 CCTGGTGTCTCC 1689
 |||||
 14 CCTGGTGTCTCC 3
 Db
 RESULT 1331
 ACC43260
 ID ACC43260 standard; DNA; 16 BP.
 XX AC ACC43260;
 XX AC
 XX 11-AUG-2003 (first entry)
 DT XX
 DE Nucleotide sequence of a fragment from an actin binding protein exon.
 XX KW Sequence tag; trapped gene; gene-trap vector; actin binding protein; ss.
 XX OS Mus musculus.
 XX OS
 XX WO2003018765-A2.
 XX PN
 XX PD 06-MAR-2003.
 XX PF 26-AUG-2002; 2002WO-US027102.
 XX PR 24-AUG-2001; 2001US-0314991P.
 XX PA (HEAL-) HEALTH RES INC.
 XX PI Pruitt SC, Mielnicki LM;
 XX DR WPI; 2003-300726/29.
 XX PT Identifying Sequence Tags from trapped genes, useful for diagnostic
 PT applications, comprises using a gene-trap vector having a splice donor, a
 PT type IIS restriction endonuclease cleavage site and a splice donor or
 PT polyadenylation site.
 XX PS Example 3; Page 25; 51pp; English.
 XX CC The specification describes a method of identifying sequence tags from

CC trapped genes. The method comprises using a gene-trap vector that has a
CC splice donor, a type IIS restriction endonuclease cleavage site and a
CC splice donor or a polyadenylation site. mRNA is prepared from cells
CC stably transfected with the gene-trap vector; first and second cDNA
CC strands are synthesised from the mRNA; the cDNA strands are digested with
CC restriction endonucleases including the type IIS restriction
CC endonucleases to produce assay tags, where each assay tag comprises a
CC sequence tag and a portion of the gene-trap vector; the assay tags are
CC concatenated; and the concatamers are amplified and sequenced to identify
CC the sequence of the assay tags and the sequence tags. The method is
CC useful for high throughput sequence tag identification based on
CC modifications of the serial analysis of gene expression technology, which
CC may be used in diagnosing or in finding cures for various pathological
CC conditions. The present sequence represents a sequence tag, identified
CC using the method of the invention
XX
SQ Sequence 16 BP; 3 A; 8 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 7e+02; 1; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1740 CAACTCCTCCTCCT 1751
DB 5 CATCTCCTCCT 16

RESULT 1332
ADE14013/c
ID ADE14013 standard; DNA; 16 BP.
XX
AC ADE14013;
XX
DT 29-JAN-2004 (first entry)
XX
DE Optineurin promoter motif, repeat element or regulatory region #122.
XX
KW Human; optineurin; ds; ophthalmological; single nucleotide polymorphism;
XX SNP; glaucoma; progressive ocular hypertensive disorder;
KW glaucoma related disorder; motif; repeat element; regulatory region.
XX
OS Homo sapiens.
XX
XX US2003190617-A1.
XX
XX 09-OCT-2003.
XX
XX 06-MAR-2002; 2002US-00091281.
XX
XX 06-MAR-2002; 2002US-00091281.
XX
XX (SIEE/) SI E.
XX (RAYM/) RAYMOND V.
XX (MORI/) MORISSETTE J.
XX
XX Raymond V, Morissette J, Si E;
XX WPI; 2003-864168/80.
XX
XX New nucleic acid sequences of the optineurin gene are useful to detect
XX polymorphisms particularly single nucleotide polymorphisms in the
XX optineurin promoter to diagnose, prognose and treat glaucoma and related
XX disorders.
XX
XX Claim 11; SEQ ID NO 124; 159pp; English.
XX
XX The invention relates to an isolated nucleic acid (N1) comprising at
XX least 20 but not more than 1500 consecutive nucleotides of the optineurin
XX promoter appearing as ADE13890. Also included are the optineurin promoter
XX operably linked to a heterologous nucleic acid, a nucleic acid capable of
XX detecting a single nucleotide polymorphism (SNP) in the optineurin
XX promoter, a host cell comprising the promoter operably linked to a
XX heterologous sequence, diagnosing or prognosing glaucoma in a sample

CC obtained from a cell or bodily fluid (comprising detecting a polymorphism
CC in a promoter region of the optineurin gene, associated with a glaucoma
CC phenotype), detecting a SNP sequence variation in a sample containing
CC DNA, detecting the presence of an optineurin promoter sequence variation
CC in a sample containing DNA, determining the presence or increased
CC susceptibility to glaucoma or to a progressive ocular hypertensive
CC disorder resulting in loss of visual field in a patient (or the severity
CC or progression of glaucoma in a patient, comprising providing
CC amplification reaction primers that direct amplification of a selected
CC nucleic acid region containing the DNA) and detecting a polymorphism (comprising
CC promoter and amplifying the DNA) and detecting a polymorphism (comprising
CC obtaining a sample containing human genomic DNA, providing a nucleic acid
CC capable of detecting a SNP located within an optineurin promoter, and
CC detecting the polymorphism). The invention is used to diagnose and
CC prognose glaucoma and also to treat glaucoma related disorders. The
CC present sequence is an optineurin promoter motif, repeat element or
CC putative regulatory region.
XX
SQ Sequence 16 BP; 1 A; 3 C; 7 G; 5 T; 0 U; 0 Other;

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 7e+02; 1; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1650 AGGCACGACCA 1661
DB 16 AGGCACGACCA 5

Search completed: August 30, 2004, 09:20:35
Job time : 6 secs

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OM nucleic - nucleic search, using sw model

Run on: August 30, 2004, 09:22:41 ; Search time 0.001 Seconds
(without alignments)
2393.302 Million cell updates/sec

Title: US-09-925-139-3
Perfect score: 139
Sequence: 1 ggatggggctgttagcagaa.....ctatcctaaggccactgg 139

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 546 seqs, 8609 residues

Total number of hits satisfying chosen parameters: 1092

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 581 summaries

Database : rni3.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		Length	DB ID	Description
		Match				
1	18	12.9	18	1	US-08-363-240A-1125	Sequence 1125, App
2	16.4	11.8	20	1	US-09-624-945-19	Sequence 19, Appl
3	16.2	11.7	22	1	US-08-927-219-102	Sequence 102, Appl
4	15.2	10.9	23	1	US-09-161-466-19	Sequence 19, Appl
5	15	10.8	15	1	US-08-363-240A-240	Sequence 240, App
6	15	10.8	15	1	US-08-363-240A-241	Sequence 241, App
7	15	10.8	15	1	US-08-363-240A-242	Sequence 242, App
8	15	10.8	15	1	US-08-363-240A-243	Sequence 243, App
9	15	10.8	15	1	US-08-363-240A-244	Sequence 244, App
10	15	10.8	15	1	US-08-363-240A-245	Sequence 245, App
11	15	10.8	15	1	US-08-363-240A-246	Sequence 246, App
12	15	10.8	15	1	US-08-363-240A-247	Sequence 247, App
13	15	10.8	15	1	US-08-363-240A-248	Sequence 248, App
14	15	10.8	15	1	US-08-363-240A-249	Sequence 249, App
15	15	10.8	15	1	US-08-363-240A-250	Sequence 250, App
16	15	10.8	15	1	US-08-363-240A-251	Sequence 251, App
17	15	10.8	15	1	US-08-363-240A-252	Sequence 252, App
18	15	10.8	15	1	US-08-363-240A-253	Sequence 253, App
19	15	10.8	15	1	US-08-363-240A-254	Sequence 254, App
20	15	10.8	15	1	US-08-363-240A-255	Sequence 255, App
21	15	10.8	15	1	US-08-363-240A-256	Sequence 256, App
C 22	14.6	10.5	21	1	US-09-389-559-231	Sequence 231, App
C 23	14.2	10.2	20	1	US-08-227-370-2	Sequence 2, Appli
C 24	14.2	10.2	20	1	US-08-486-962-4	Sequence 4, Appli
C 25	14.2	10.2	20	1	US-08-458-347-1	Sequence 1, Appli
C 26	14.2	10.2	20	1	US-08-975-522A-5	Sequence 5, Appli
C 27	14.2	10.2	20	1	US-09-103-875-123	Sequence 123, App
C 28	14.2	10.2	20	1	US-09-798-096-16	Sequence 16, Appl
C 29	14.2	10.2	20	1	US-08-754-477A-109	Sequence 109, App
C 30	14.2	10.2	20	1	PCT-US94-06284-2	Sequence 2, Appli
C 31	13.8	9.9	20	1	US-09-844-525A-74	Sequence 74, Appl
C 32	13.8	9.9	20	1	US-08-921-497-4	Sequence 4, Appli
C 33	13.6	9.8	20	1	US-08-922-177A-434	Sequence 434, App

107	12.2	8.8	17	1	US-08-373-124A-1709	Sequence 1709, Ap	180	11.4	8.2	13	1	US-09-922-445-27	Sequence 27, Appl
108	12.2	8.8	17	1	US-08-435-628-1709	Sequence 1709, Ap	181	11.4	8.2	14	1	US-08-913-833-9	Sequence 9, Appl
109	12.2	8.8	17	1	US-08-292-492D-6	Sequence 6, Appl	182	11.4	8.2	14	1	US-09-580-794C-9	Sequence 9, Appl
110	12.2	8.8	17	1	US-09-633-994-6	Sequence 6, Appl	c 183	11.4	8.2	15	1	US-08-111-076-17	Sequence 17, Appl
111	12.2	8.8	17	1	US-09-866-108A-527	Sequence 527, App	c 184	11.4	8.2	15	1	US-08-398-305-17	Sequence 17, Appl
112	12.2	8.8	17	1	US-09-866-108A-528	Sequence 528, App	c 185	11.4	8.2	15	1	US-08-182-968A-452	Sequence 452, App
113	12.2	8.8	17	1	US-09-866-108A-1264	Sequence 1264, Ap	c 186	11.4	8.2	15	1	US-08-705-225-17	Sequence 17, Appl
114	12.2	8.8	17	1	US-09-866-108A-7831	Sequence 7831, Ap	c 187	11.4	8.2	15	1	US-08-513-841-16	Sequence 16, Appl
115	12.2	8.8	17	1	US-09-866-108A-9658	Sequence 9658, Ap	c 188	11.4	8.2	15	1	US-08-696-834-17	Sequence 17, Appl
116	12.2	8.8	17	1	US-09-280-409-142	Sequence 142, App	c 189	11.4	8.2	15	1	US-08-942-673-16	Sequence 16, Appl
117	12.2	8.8	18	1	US-08-127-954-45	Sequence 45, Appl	c 190	11.4	8.2	15	1	US-08-774-306A-452	Sequence 452, App
118	12.2	8.8	18	1	US-07-923-260A-13	Sequence 13, Appl	c 191	11.4	8.2	15	1	US-09-064-156A-452	Sequence 452, App
119	12.2	8.8	18	1	US-08-890-980-46	Sequence 46, Appl	c 192	11.4	8.2	15	1	US-09-118-317-16	Sequence 16, Appl
120	12.2	8.8	18	1	US-08-890-979-46	Sequence 46, Appl	c 193	11.4	8.2	16	1	US-07-696-793A-18	Sequence 18, Appl
121	12.2	8.8	18	1	US-09-032-894-46	Sequence 46, Appl	c 194	11.4	8.2	16	1	US-07-977-694-18	Sequence 18, Appl
122	12.2	8.8	18	1	US-08-894-736-10	Sequence 10, Appl	c 195	11.4	8.2	16	1	US-08-303-004-32	Sequence 32, Appl
123	12.2	8.8	18	1	US-08-894-736-21	Sequence 21, Appl	c 196	11.4	8.2	16	1	US-08-491-978-5	Sequence 5, Appl
124	12.2	8.8	18	1	US-09-050-159-111	Sequence 11, App	c 197	11.4	8.2	17	1	US-08-985-162-299	Sequence 299, App
125	12.2	8.8	18	1	US-09-031-626-46	Sequence 46, Appl	c 198	11.4	8.2	17	1	US-09-187-946-16	Sequence 16, Appl
126	12.2	8.8	18	1	US-09-632-580A-49	Sequence 49, Appl	c 199	11.4	8.2	17	1	US-09-564-805-88	Sequence 88, Appl
127	12.2	8.8	18	1	US-09-640-198D-20	Sequence 20, Appl	c 200	11.4	8.2	17	1	US-08-584-040-2852	Sequence 2852, Ap
128	12.2	8.8	18	1	US-09-639-667-16	Sequence 16, Appl	c 201	11.4	8.2	17	1	US-08-584-040-2853	Sequence 2853, Ap
129	12	8.6	16	1	US-09-586-376-5	Sequence 5, Appl	c 202	11.4	8.2	17	1	US-08-679-648-53	Sequence 53, Appl
130	12	8.6	18	1	US-08-937-580-9	Sequence 9, Appl	c 203	11.4	8.2	17	1	US-09-474-432B-460	Sequence 460, App
131	12	8.6	18	1	US-09-336-039-9	Sequence 9, Appl	c 204	11.4	8.2	17	1	US-09-371-772B-1376	Sequence 1376, App
132	11.8	8.5	15	1	US-08-310-501-4	Sequence 4, Appl	c 205	11.4	8.2	17	1	US-09-371-772B-1377	Sequence 1377, Ap
133	11.8	8.5	15	1	US-08-469-177-4	Sequence 4, Appl	c 206	11.4	8.2	17	1	US-09-371-772B-4992	Sequence 4992, Ap
134	11.8	8.5	15	1	US-08-484-551-1	Sequence 1, Appl	c 207	11.4	8.2	17	1	US-09-476-387-459	Sequence 459, App
135	11.8	8.5	15	1	US-08-484-551-5	Sequence 5, Appl	c 208	11.4	8.2	17	1	US-09-401-063-2399	Sequence 2399, App
136	11.8	8.5	15	1	US-08-486-963-18	Sequence 18, Appl	c 209	11.4	8.2	17	1	US-09-866-108A-7827	Sequence 7827, Ap
137	11.8	8.5	15	1	US-08-913-833-5	Sequence 5, Appl	c 210	11.4	8.2	20	1	US-08-222-177A-434	Sequence 434, App
138	11.8	8.5	15	1	US-09-580-794C-5	Sequence 5, Appl	c 211	11.4	8.2	16	1	US-07-696-793A-7	Sequence 7, Appl
139	11.8	8.5	15	1	US-09-813-781-48	Sequence 48, Appl	c 212	11.2	8.1	16	1	US-07-696-793A-9	Sequence 9, Appl
140	11.8	8.5	16	1	US-08-486-962-14	Sequence 14, Appl	c 213	11.2	8.1	16	1	US-07-977-694-7	Sequence 7, Appl
141	11.8	8.5	16	1	US-08-975-522A-6	Sequence 6, Appl	c 214	11.2	8.1	16	1	US-07-977-694-9	Sequence 9, Appl
142	11.8	8.5	17	1	US-08-432-871C-4	Sequence 4, Appl	c 215	11.2	8.1	16	1	US-08-872-917-11	Sequence 11, Appl
143	11.8	8.5	17	1	US-08-985-162-338	Sequence 338, App	c 216	11.2	8.1	16	1	US-09-371-772B-5657	Sequence 5657, Ap
144	11.8	8.5	17	1	US-08-584-040-1876	Sequence 1876, Ap	c 217	11.2	8.1	16	1	US-09-371-772B-5658	Sequence 5658, Ap
145	11.8	8.5	17	1	US-08-584-040-1877	Sequence 1877, Ap	c 218	11.2	8.1	16	1	Sequence 5954, Ap	
146	11.8	8.5	17	1	US-09-270-956-4	Sequence 4, Appl	c 219	11.2	8.1	16	1	Sequence 154, App	
147	11.8	8.5	17	1	US-09-474-432B-404	Sequence 404, App	c 220	11.2	8.1	16	1	Sequence 2, Appl	
148	11.8	8.5	17	1	US-09-474-432B-504	Sequence 504, App	c 221	11.2	8.1	17	1	Sequence 3, Appl	
149	11.8	8.5	17	1	US-09-474-432B-505	Sequence 505, App	c 222	11.2	8.1	17	1	Sequence 24, Appl	
150	11.8	8.5	17	1	US-09-474-432B-513	Sequence 513, App	c 223	11.2	8.1	17	1	Sequence 25, Appl	
151	11.8	8.5	17	1	US-09-474-432B-549	Sequence 549, App	c 224	11.2	8.1	17	1	Sequence 26, Appl	
152	11.8	8.5	17	1	US-09-371-772B-421	Sequence 421, App	c 225	11.2	8.1	17	1	Sequence 28, Appl	
153	11.8	8.5	17	1	US-09-371-772B-422	Sequence 422, App	c 226	11.2	8.1	17	1	Sequence 29, Appl	
154	11.8	8.5	17	1	US-09-476-387-403	Sequence 403, App	c 227	11.2	8.1	17	1	Sequence 2, Appl	
155	11.8	8.5	17	1	US-09-476-387-503	Sequence 503, App	c 228	11.2	8.1	17	1	Sequence 3, Appl	
156	11.8	8.5	17	1	US-09-476-387-504	Sequence 504, App	c 229	11.2	8.1	17	1	Sequence 24, Appl	
157	11.8	8.5	17	1	US-09-476-387-512	Sequence 512, App	c 230	11.2	8.1	17	1	Sequence 25, Appl	
158	11.8	8.5	17	1	US-09-476-387-548	Sequence 548, App	c 231	11.2	8.1	17	1	Sequence 26, Appl	
159	11.8	8.5	17	1	US-09-401-063-338	Sequence 338, App	c 232	11.2	8.1	17	1	Sequence 28, Appl	
160	11.8	8.5	17	1	US-09-866-108A-525	Sequence 525, App	c 233	11.2	8.1	17	1	Sequence 29, Appl	
161	11.8	8.5	17	1	US-09-866-108A-526	Sequence 526, App	c 234	11.2	8.1	17	1	Sequence 25, Appl	
162	11.8	8.5	17	1	US-09-866-108A-2351	Sequence 2351, Ap	c 235	11.2	8.1	17	1	Sequence 1363, Ap	
163	11.8	8.5	17	1	US-09-866-108A-2352	Sequence 2352, Ap	c 236	11.2	8.1	17	1	Sequence 16, Appl	
164	11.8	8.5	17	1	US-09-866-108A-2353	Sequence 2353, Ap	c 237	11.2	8.1	17	1	Sequence 1363, Ap	
165	11.8	8.5	17	1	US-09-866-108A-7829	Sequence 7829, Ap	c 238	11.2	8.1	17	1	Sequence 1670, Ap	
166	11.8	8.5	17	1	US-09-866-108A-7830	Sequence 7830, Ap	c 239	11.2	8.1	17	1	Sequence 1974, Ap	
167	11.8	8.5	18	1	US-08-204-697-1	Sequence 1, Appl	c 240	11.2	8.1	17	1	Sequence 300, App	
168	11.8	8.5	18	1	US-08-744-332-1	Sequence 1, Appl	c 241	11.2	8.1	17	1	Sequence 371, Appl	
169	11.8	8.5	18	1	US-09-161-244-66	Sequence 66, Appl	c 242	11.2	8.1	17	1	Sequence 28, Appl	
170	11.8	8.5	18	1	US-09-025-701-3	Sequence 3, Appl	c 243	11.2	8.1	17	1	Sequence 12, Appl	
171	11.8	8.5	18	1	US-09-045-301-3	Sequence 3, Appl	c 244	11.2	8.1	17	1	Sequence 1670, Ap	
172	11.8	8.5	18	1	US-09-045-301-4	Sequence 4, Appl	c 245	11.2	8.1	17	1	Sequence 1974, Ap	
173	11.8	8.5	18	1	US-09-205-995-10	Sequence 10, Appl	c 246	11.2	8.1	17	1	Sequence 371, Appl	
174	11.8	8.5	18	1	US-09-422-978-6052	Sequence 6052, Ap	c 247	11.2	8.1	17	1	Sequence 28, Appl	
175	11.8	8.5	18	1	US-09-747-391-20	Sequence 20, Appl	c 248	11.2	8.1	17	1	Sequence 12, Appl	
176	11.8	8.5	18	1	US-09-548-797B-106	Sequence 106, App	c 249	11.2	8.1	17	1	Sequence 1670, Ap	
177	11.4	8.2	13	1	US-08-544-381B-27	Sequence 27, Appl	c 250	11.2	8.1	17	1	Sequence 28, Appl	
178	11.4	8.2	13	1	US-08-778-794A-85	Sequence 85, Appl	c 251	11.2	8.1	17	1	Sequence 7, Appl	
179	11.4	8.2	13	1	US-09-922-445-17	Sequence 17, Appl	c 252	11.2	8.1	17	1	Sequence 10, Appl	

C 399	10	7.2	10	1	US-08-488-551B-502	Sequence 502, App	C 472	9.8	7.1	15	1	US-08-182-067-11	Sequence 11, Appl
C 400	10	7.2	10	1	US-08-488-551B-819	Sequence 819, App	C 473	9.8	7.1	15	1	US-08-465-313-11	Sequence 11, Appl
C 401	10	7.2	10	1	US-08-488-551B-820	Sequence 820, App	C 474	9.8	7.1	15	1	US-08-486-343A-6	Sequence 6, Appl
C 402	10	7.2	10	1	US-08-478-087-43	Sequence 43, Appl	C 475	9.8	7.1	15	1	US-08-913-833-2	Sequence 2, Appl
C 403	10	7.2	12	1	US-08-173-489C-255	Sequence 255, App	C 476	9.8	7.1	15	1	US-08-963-472-6	Sequence 6, Appl
C 404	10	7.2	12	1	US-08-889-502-3	Sequence 3, Appl	C 477	9.8	7.1	15	1	US-08-963-472-10	Sequence 10, Appl
C 405	10	7.2	12	1	US-08-889-502-16	Sequence 16, Appl	C 478	9.8	7.1	15	1	US-09-064-156A-29	Sequence 29, Appl
C 406	10	7.2	12	1	US-08-192-943-11	Sequence 11, Appl	C 479	9.8	7.1	15	1	US-09-064-156A-483	Sequence 483, App
C 407	10	7.2	14	1	US-08-434-503-10	Sequence 10, Appl	C 480	9.8	7.1	15	1	US-09-064-156A-494	Sequence 494, App
C 408	10	7.2	15	1	US-08-440-787A-128	Sequence 128, App	C 481	9.8	7.1	15	1	US-09-071-845-500	Sequence 500, App
C 409	10	7.2	15	1	US-08-292-620A-105	Sequence 105, App	C 482	9.8	7.1	15	1	US-09-038-073-1364	Sequence 1364, App
C 410	10	7.2	15	1	US-08-292-620A-106	Sequence 106, App	C 483	9.8	7.1	15	1	US-09-038-073-2048	Sequence 2048, App
C 411	10	7.2	15	1	US-09-071-845-105	Sequence 105, App	C 484	9.8	7.1	15	1	US-09-580-794C-2	Sequence 2, Appl
C 412	10	7.2	15	1	US-09-071-845-106	Sequence 106, App	C 485	9.8	7.1	15	1	US-09-081-646-50	Sequence 50, Appl
C 413	10	7.2	15	1	US-09-377-310-26	Sequence 26, Appl	C 486	9.8	7.1	15	1	US-09-081-646-294	Sequence 294, App
C 414	10	7.2	20	1	US-08-227-370-2	Sequence 2, Appl	C 487	9.8	7.1	15	1	US-09-081-646-621	Sequence 621, App
C 415	10	7.2	20	1	US-08-486-962-4	Sequence 4, Appl	C 488	9.8	7.1	15	1	US-09-081-646-639	Sequence 639, App
C 416	10	7.2	20	1	US-08-458-347-1	Sequence 1, Appl	C 489	9.8	7.1	15	1	US-08-584-040-8497	Sequence 8497, App
C 417	10	7.2	20	1	US-08-975-522A-5	Sequence 5, Appl	C 490	9.8	7.1	15	1	US-09-479-770A-13	Sequence 13, Appl
C 418	10	7.2	20	1	PCT-US94-06284-2	Sequence 2, Appl	C 491	9.8	7.1	15	1	US-09-456-773-5	Sequence 5, Appl
C 419	10	7.2	20	1	US-09-198-452A-6714	Sequence 6714, App	C 492	9.8	7.1	15	1	US-09-371-772B-4151	Sequence 4151, App
C 420	9.8	7.1	13	1	US-08-544-381B-19	Sequence 19, Appl	C 493	9.8	7.1	15	1	US-10-112-241-21	Sequence 21, Appl
C 421	9.8	7.1	13	1	US-08-544-381B-23	Sequence 23, Appl	C 494	9.8	7.1	15	1	US-10-112-241-21	Sequence 21, Appl
C 422	9.8	7.1	13	1	US-08-544-381B-24	Sequence 24, Appl	C 495	9.8	7.1	15	1	US-10-104-611-21	Sequence 21, Appl
C 423	9.8	7.1	13	1	US-08-544-381B-26	Sequence 26, Appl	C 496	9.8	7.1	15	1	PCT-US95-07349-6	Sequence 6, Appl
C 424	9.8	7.1	13	1	US-08-544-381B-28	Sequence 28, Appl	C 497	9.8	7.1	15	1	US-09-050-159-111	Sequence 111, App
C 425	9.8	7.1	13	1	US-08-544-381B-29	Sequence 29, Appl	C 498	9.8	7.1	18	1	US-09-548-797B-106	Sequence 106, App
C 426	9.8	7.1	13	1	US-08-778-794A-77	Sequence 77, Appl	C 499	9.8	7.1	18	1	US-08-544-381B-13	Sequence 13, Appl
C 427	9.8	7.1	13	1	US-08-778-794A-81	Sequence 81, Appl	C 500	9.6	6.9	13	1	US-08-778-794A-71	Sequence 71, Appl
C 428	9.8	7.1	13	1	US-08-778-794A-84	Sequence 84, Appl	C 501	9.6	6.9	13	1	US-08-778-794A-95	Sequence 95, Appl
C 429	9.8	7.1	13	1	US-08-778-794A-86	Sequence 86, Appl	C 502	9.6	6.9	13	1	US-07-696-793A-9	Sequence 9, Appl
C 430	9.8	7.1	13	1	US-08-778-794A-87	Sequence 87, Appl	C 503	9.6	6.9	16	1	US-07-977-694-9	Sequence 9, Appl
C 431	9.8	7.1	13	1	US-09-922-445-16	Sequence 16, Appl	C 504	9.6	6.9	16	1	US-09-371-772B-5954	Sequence 5954, App
C 432	9.8	7.1	13	1	US-09-922-445-26	Sequence 26, Appl	C 505	9.6	6.9	17	1	US-09-187-946-16	Sequence 16, Appl
C 433	9.8	7.1	14	1	US-08-913-833-8	Sequence 8, Appl	C 506	9.6	6.9	17	1	US-08-584-040-2237	Sequence 2237, App
C 434	9.8	7.1	14	1	US-09-328-174A-40	Sequence 40, Appl	C 507	9.6	6.9	17	1	US-09-371-772B-782	Sequence 782, App
C 435	9.8	7.1	14	1	US-09-230-652-23	Sequence 23, Appl	C 508	9.6	6.9	17	1	US-09-371-772B-5167	Sequence 5167, App
C 436	9.8	7.1	14	1	US-08-050-073-153	Sequence 153, App	C 509	9.6	6.9	20	1	US-08-754-477A-109	Sequence 109, App
C 437	9.8	7.1	15	1	US-08-182-968A-29	Sequence 29, Appl	C 510	9.4	6.8	11	1	US-08-757-024-530	Sequence 12, Appl
C 438	9.8	7.1	15	1	US-08-182-968A-43	Sequence 43, App	C 511	9.4	6.8	11	1	US-09-617-548-12	Sequence 43, Appl
C 439	9.8	7.1	15	1	US-08-182-968A-483	Sequence 483, App	C 512	9.4	6.8	11	1	US-09-249-155A-43	Sequence 43, Appl
C 440	9.8	7.1	15	1	US-08-182-968A-494	Sequence 494, App	C 513	9.4	6.8	11	1	PCT-US94-08023-37	Sequence 37, Appl
C 441	9.8	7.1	15	1	US-08-291-932A-8	Sequence 8, Appl	C 514	9.4	6.8	11	1	US-08-192-300-5	Sequence 5, Appl
C 442	9.8	7.1	15	1	US-08-291-932A-54	Sequence 54, App	C 515	9.4	6.8	12	1	US-08-221-816B-27	Sequence 27, Appl
C 443	9.8	7.1	15	1	US-08-291-932A-159	Sequence 159, App	C 516	9.4	6.8	12	1	US-08-441-887A-338	Sequence 338, App
C 444	9.8	7.1	15	1	US-08-291-932A-161	Sequence 161, App	C 517	9.4	6.8	12	1	US-08-441-887A-339	Sequence 339, App
C 445	9.8	7.1	15	1	US-08-291-932A-189	Sequence 189, App	C 518	9.4	6.8	12	1	US-08-757-024-501	Sequence 501, App
C 446	9.8	7.1	15	1	US-08-291-932A-339	Sequence 339, App	C 519	9.4	6.8	12	1	US-08-757-024-529	Sequence 529, App
C 447	9.8	7.1	15	1	US-08-291-932A-348	Sequence 348, App	C 520	9.4	6.8	12	1	US-07-794-396-6	Sequence 6, Appl
C 448	9.8	7.1	15	1	US-08-393-219-8	Sequence 8, Appl	C 521	9.4	6.8	12	1	US-08-959-853-8	Sequence 8, Appl
C 449	9.8	7.1	15	1	US-08-334-847-309	Sequence 309, App	C 522	9.4	6.8	12	1	US-08-713-742-8	Sequence 8, Appl
C 450	9.8	7.1	15	1	US-08-305-699-1	Sequence 1, Appl	C 523	9.4	6.8	12	1	US-08-211-882-5	Sequence 5, Appl
C 451	9.8	7.1	15	1	US-08-363-240A-626	Sequence 626, App	C 524	9.4	6.8	12	1	US-08-211-882-9	Sequence 9, Appl
C 452	9.8	7.1	15	1	US-08-363-240A-684	Sequence 684, App	C 525	9.4	6.8	12	1	US-09-372-856-8	Sequence 8, Appl
C 453	9.8	7.1	15	1	US-08-221-816B-21	Sequence 21, Appl	C 526	9.4	6.8	12	1	US-09-281-418-20	Sequence 20, Appl
C 454	9.8	7.1	15	1	US-08-311-486C-77	Sequence 77, App	C 527	9.4	6.8	12	1	US-09-281-418-74	Sequence 74, Appl
C 455	9.8	7.1	15	1	US-08-311-486C-78	Sequence 78, App	C 528	9.4	6.8	12	1	US-09-688-394-8	Sequence 8, Appl
C 456	9.8	7.1	15	1	US-08-311-486C-600	Sequence 600, App	C 529	9.4	6.8	12	1	US-09-633-659-5	Sequence 5, Appl
C 457	9.8	7.1	15	1	US-08-311-486C-621	Sequence 621, App	C 530	9.4	6.8	12	1	US-09-633-659-9	Sequence 9, Appl
C 458	9.8	7.1	15	1	US-08-311-486C-622	Sequence 622, App	C 531	9.4	6.8	12	1	US-10-112-547-27	Sequence 27, Appl
C 459	9.8	7.1	15	1	US-08-292-620A-500	Sequence 500, App	C 532	9.4	6.8	12	1	US-09-574-117A-26	Sequence 26, Appl
C 460	9.8	7.1	15	1	US-08-173-489C-277	Sequence 277, App	C 533	9.4	6.8	12	1	US-10-112-241-27	Sequence 27, Appl
C 461	9.8	7.1	15	1	US-08-173-489C-327	Sequence 327, App	C 534	9.4	6.8	12	1	US-10-104-611-27	Sequence 27, Appl
C 462	9.8	7.1	15	1	US-08-173-489C-337	Sequence 337, App	C 535	9.4	6.8	12	1	5240847-3	Patent No. 5240847
C 463	9.8	7.1	15	1	US-08-173-489C-343	Sequence 343, App	C 536	9.4	6.8	12	1	5427911-12	Patent No. 5427911
C 464	9.8	7.1	15	1	US-08-173-489C-347	Sequence 347, App	C 537	9.4	6.8	12	1	5427911-14	Patent No. 5427911
C 465	9.8	7.1	15	1	US-08-774-306A-29	Sequence 29, App	C 538	9.4	6.8	12	1	US-08-123-449A-17	Sequence 17, Appl
C 466	9.8	7.1	15	1	US-08-774-306A-483	Sequence 483, App	C 539	9.4	6.8	13	1	US-08-458-050-17	Sequence 17, Appl
C 467	9.8	7.1	15	1	US-08-774-306A-494	Sequence 494, App	C 540	9.4	6.8	13	1	US-08-667-023-3	Sequence 3, Appl
C 468	9.8	7.1	15	1	US-08-585-684B-186	Sequence 186, App	C 541	9.4	6.8	13	1	US-08-671-975A-17	Sequence 17, Appl
C 469	9.8	7.1	15	1	US-08-585-684B-1364	Sequence 1364, App	C 542	9.4	6.8	13	1	US-08-757-024-471	Sequence 471, App
C 470	9.8	7.1	15	1	US-08-585-684B-1364	Sequence 2048, App	C 543	9.4	6.8	13	1		
C 471	9.8	7.1	15	1	US-08-585-684B-2048		C 544	9.4	6.8	13	1		

545 9.4 13 1 US-08-757-024-500
546 9.4 13 1 US-08-757-024-528
547 9.4 13 1 US-08-950-196-17
c 548 9.4 13 1 US-09-474-432B-120
549 9.4 13 1 US-09-216-584-18
c 550 9.4 13 1 US-09-476-387-120
c 551 9.4 13 1 US-07-933-469A-1
c 552 9.4 14 1 US-08-250-310-1
c 553 9.4 14 1 US-08-379-496-7
c 554 9.4 14 1 US-08-439-404-1
c 555 9.4 14 1 US-08-390-858B-28
c 556 9.4 14 1 US-08-282-197C-5
c 557 9.4 14 1 US-08-839-327-1
558 9.4 14 1 US-08-757-024-440
559 9.4 14 1 US-08-757-024-470
560 9.4 14 1 US-08-757-024-499
561 9.4 14 1 US-08-757-024-527
562 9.4 14 1 US-08-985-162-1845
c 563 9.4 14 1 US-09-340-781B-1
564 9.4 14 1 US-08-666-341A-21
565 9.4 14 1 US-08-666-341A-36
566 9.4 14 1 US-09-136-080E-34
567 9.4 14 1 US-09-401-063-1845
c 568 9.4 14 1 US-09-874-601-5
569 9.4 14 1 US-09-874-601-120
c 570 9.4 14 1 5171843-1
c 571 9.4 15 1 US-08-584-040-8497
c 572 9.4 15 1 US-09-371-772B-4151
573 9.4 15 1 US-09-798-096-16
574 9.4 15 1 US-08-311-486C-622
575 9.2 16 1 US-08-584-040-7909
576 9.2 17 1 US-09-371-772B-3692
c 577 9.2 17 1 US-08-432-871C-4
c 578 9.2 17 1 US-09-270-956-4
c 579 9.2 17 1 US-09-823-549-1
c 580 9 11 1 US-09-249-155A-43
c 581 9 11 1 US-09-249-155A-181

ALIGNMENTS

RESULT 1
US-08-363-240A-1125
; Sequence 1125, Application US/08363240A
; Patent No. 5705388

; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Page, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 1125:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-363-240A-1125

Query Match 12.9%; Score 18; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5,5;
Matches 15; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGACCCCT 1680
||:|||||:|||||:
Db 1 GCUCACAGCUGGAACCCU 18

RESULT 2

; Sequence 19, Application US/09624945
; Patent No. 6607915
; GENERAL INFORMATION:
; APPLICANT: Monia, Brett P.
; APPLICANT: Wanciewicz, Edward
; TITLE OF INVENTION: Antisense Modulation of E2A-Pbx1 Expression
; FILE REFERENCE: ISPH-0477
; CURRENT APPLICATION NUMBER: US/09/624,945
; CURRENT FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: 60/156,836
; PRIOR FILING DATE: 1999-09-30
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-624-945-19

Query Match 11.8%; Score 16.4; DB 1; Length 20;
Best Local Similarity 94.4%; Pred. No. 16;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1658 ACCAGGCTCAGCTGGA 1675
|||||:|||||:
Db 1 ACCAGGCTGACAGCTGGA 18

RESULT 3

US-08-927-219-102
; Sequence 102, Application US/08927219
; Patent No. 6187533
; GENERAL INFORMATION:
; APPLICANT: Bell, Graeme I.
; APPLICANT: Yamagata, Kazuya
; APPLICANT: Oda, Naohisa
; APPLICANT: Kaisaki, Pamela J.
; APPLICANT: Furuta, Hiroto
; APPLICANT: Horikawa, Yukio
; APPLICANT: Menzel, Stephen
; TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY

;; TITLE OF INVENTION: GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA
;; TITLE OF INVENTION: AND HNF-4ALPHA
;; NUMBER OF SEQUENCES: 147
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Arnold, White & Durkee
;; STREET: P.O. Box 4433
;; CITY: Houston
;; STATE: Texas
;; COUNTRY: USA
;; ZIP: 77210
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; FILING DATE: Concurrently Herewith
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/029,679
;; FILING DATE: 30-OCT-1996
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/028,056
;; FILING DATE: 02-OCT-1996
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/025,719
;; FILING DATE: 10-SEP-1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Willson, Mark B.
;; REGISTRATION NUMBER: 37,259
;; REFERENCE/DOCKET NUMBER: ARCD:272
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 512/418-3000
;; TELEFAX: 512/474-7577
;; INFORMATION FOR SEQ ID NO: 102:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 22 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-08-927-219-102

Query Match 11.7%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1658 ACCAGGCTCAGCTGGAAC 1678
Db 2 ACCAGACTCAGCCTGAAC 22

RESULT 4
US-09-161-466-19
; Sequence 19, Application US/09161466
; Patent No. 6204025
; GENERAL INFORMATION:
; APPLICANT: LIU, QIANG
; TITLE OF INVENTION: EXON-LINKING FOR DNA BASED DIAGNOSTICS
; FILE REFERENCE: 2124-292
; CURRENT APPLICATION NUMBER: US/09/161,466
; CURRENT FILING DATE: 1998-09-28
; EARLIER APPLICATION NUMBER: US 60/060319
; EARLIER FILING DATE: 1997-09-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 19
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-161-466-19

Query Match 10.9%; Score 15.2; DB 1; Length 23;

Best Local Similarity 85.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1713 AGGAGTACGGAGATGACAT 1732
Db 4 AGGAGGAGGAGATGACAT 23

RESULT 5
US-08-363-240A-240
; Sequence 240, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IEM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 240:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-363-240A-240

Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 20;
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1634 TGGGGCTTGTAGCAG 1648
Db 1 UGGGGCUUGAGCAG 15

RESULT 6
US-08-363-240A-241
; Sequence 241, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry

APPLICANT: McSwiggen, James
APPLICANT: Bisgaier, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 241:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-241
Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 20;
Matches 12; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 1637 GGCTTGTAGCAGAAG 1651
Db 1 GCGUUGAGCAGAAG 15
||||:|||||
RESULT 7
US-08-363-240A-242
Sequence 242, Application US/08363240A
Patent No. 5705388
GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaier, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California

COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 242:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-242
Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 20;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1659 CCAGGCTCACAGCTG 1673
Db 1 CCAGGCUCACAGCUG 15
||||:|||||
RESULT 8
US-08-363-240A-243
Sequence 243, Application US/08363240A
Patent No. 5705388
GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaier, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

US-08-363-240A-244

ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 243:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-243

Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 20;
Matches 10; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1679 CTGGTCTCTCCCA 1693
||:|:|:|:|:|:|

Db 1 CUGGUGUCCUCCCA 15

RESULT 9

US-08-363-240A-244
; Sequence 244, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 244:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-245

Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 20;
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1681 GGTGTCTCTCCAGC 1695
||:|:|:|:|:|:|

Db 1 GGUGUCCUCCAGC 15

RESULT 10

US-08-363-240A-245
; Sequence 245, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 245:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-246

Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 20;
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1684 GTCTCTCCAGCGTG 1698
||:|:|:|:|:|:|

Db 1 GUCUCCUCCAGCGTG 15

RESULT 11

US-08-363-240A-246
; Sequence 246, Application US/08363240A


```
/ Patent No. 5705388
/ GENERAL INFORMATION:
/ APPLICANT: Couture, Larry
/ APPLICANT: McSwiggen, James
/ APPLICANT: Bisgaier, Charles
/ APPLICANT: Pape, Michael
/ TITLE OF INVENTION: METHOD AND REAGENT FOR
/ TITLE OF INVENTION: PREVENTION, INHIBITION OF
/ TITLE OF INVENTION: PROGRESSION AND REGRESSION
/ TITLE OF INVENTION: OF VASCULAR DISEASES
/ NUMBER OF SEQUENCES: 1243
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ CITY: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/363,240A
/ FILING DATE: December 23, 1994
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 210/096
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 246:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 15 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-363-240A-246

Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 66.7%; Pred.No. 20;
Matches 10; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1700 TCGAAGTTGGTTAG 1714
Db 1 UGGAAGUUGGUANG 15

RESULT 12
US-08-363-240A-247
/ Sequence 247, Application US/08363240A
/ Patent No. 5705388
/ GENERAL INFORMATION:
/ APPLICANT: Couture, Larry
/ APPLICANT: McSwiggen, James
/ APPLICANT: Bisgaier, Charles
/ APPLICANT: Pape, Michael
/ TITLE OF INVENTION: METHOD AND REAGENT FOR
/ TITLE OF INVENTION: PREVENTION, INHIBITION OF
/ TITLE OF INVENTION: PROGRESSION AND REGRESSION
/ TITLE OF INVENTION: OF VASCULAR DISEASES
/ NUMBER OF SEQUENCES: 1243
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ CITY: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 210/096
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 246:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 15 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-363-240A-246

Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 66.7%; Pred.No. 20;
Matches 10; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1700 TCGAAGTTGGTTAG 1714
Db 1 UGGAAGUUGGUANG 15

RESULT 13
US-08-363-240A-248
/ Sequence 248, Application US/08363240A
/ Patent No. 5705388
/ GENERAL INFORMATION:
/ APPLICANT: Couture, Larry
/ APPLICANT: McSwiggen, James
/ APPLICANT: Bisgaier, Charles
/ APPLICANT: Pape, Michael
/ TITLE OF INVENTION: METHOD AND REAGENT FOR
/ TITLE OF INVENTION: PREVENTION, INHIBITION OF
/ TITLE OF INVENTION: PROGRESSION AND REGRESSION
/ TITLE OF INVENTION: OF VASCULAR DISEASES
/ NUMBER OF SEQUENCES: 1243
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ CITY: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 210/096
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 247:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 15 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-363-240A-247

Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 66.7%; Pred.No. 20;
Matches 10; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1705 GTTGGTTAGGAGTA 1719
Db 1 GUUGGUUAGGAGUA 15
```

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;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 248:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-248
;
; Query Match 10.8%; Score 15; DB 1; Length 15;
; Best Local Similarity 66.7%; Pred. No. 20;
; Matches 10; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
;
QY 1706 TTGGGTAGGAGTAC 1720
Db 1 UUGGGUAGGAGUAC 15
;
; RESULT 14
; US-08-363-240A-249
; Sequence 249, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 249:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-250
;
; Query Match 10.8%; Score 15; DB 1; Length 15;
; Best Local Similarity 73.3%; Pred. No. 20;
; Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
;
QY 1726 TGGAGATTGGCTCC 1740
Db 1 UGGAGAUUGGCCUCC 15
;
; RESULT 15
; US-08-363-240A-250
; Sequence 250, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 250:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-250
;
; Query Match 10.8%; Score 15; DB 1; Length 15;
; Best Local Similarity 73.3%; Pred. No. 20;
; Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
;
QY 1726 TGGAGATTGGCTCC 1740
Db 1 UGGAGAUUGGCCUCC 15

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schultz139-3.rni

Mon Aug 30 09:26:46 2004

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 253:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-253
;
Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 20;
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1741 AACCTCCTATCTATCC 1755
DB 1 AACUCCUCCUUAUCC 15

RESULT 19
US-08-363-240A-254
; Sequence 254, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 255:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-255
;
Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 20;
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1747 TCCTATCTATCTAAAGG 1761
DB 1 CCUCCUUAUCCUAAA 15

RESULT 20
US-08-363-240A-255
; Sequence 255, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 255:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-255
;
Query Match 10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 20;
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1747 TCCTATCTATCTAAAGG 1761
DB 1 CCUCCUUAUCCUAAA 15

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Db      1  UCCCUAUCUAAAGG 15

RESULT 21
US-08-363-240A-256
; Sequence 256, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION NUMBER:
; APPLICATION DATE:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 256:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-363-240A-256

Query Match      10.8%; Score 15; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 20;
Matches 12; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      1750 CTATCTTAAGGCC 1764
Db      1  CUAUCUAAAGGCC 15

RESULT 22
US-09-382-552-231/c
; Sequence 231, Application US/09382552
; Patent No. 6673909
; GENERAL INFORMATION:
; APPLICANT: Brown, Jr., Robert H.
; APPLICANT: Liu, Jing
; APPLICANT: Aoki, Masashi
; APPLICANT: Ho, Meng
; APPLICANT: Matsuda-Asada, Chie
; TITLE OF INVENTION: DYSFERLIN, A GENE MUTATED IN DISTAL MYOPATHY AND LIMB

; TITLE OF INVENTION: GIRDLE MUSCULAR DYSTROPHY
; FILE REFERENCE: 00786/399002
; CURRENT APPLICATION NUMBER: US/09/382,552
; CURRENT FILING DATE: 1999-08-25
; EARLIER APPLICATION NUMBER: US 60/097,927
; EARLIER FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 233
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 231
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-382-552-231

Query Match      10.5%; Score 14.6; DB 1; Length 21;
Best Local Similarity 81.0%; Pred. No. 48;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      1677 CCTGTGTCTCTCCAGCGT 1697
Db      21  CCGTGGGGTCCCTCCAGCAT 1

RESULT 23
US-08-227-370-2/c
; Sequence 2, Application US/08227370
; Patent No. 5859207
; GENERAL INFORMATION:
; APPLICANT: Sessler, Jonathan L.
; APPLICANT: Smith, Daniel A.
; APPLICANT: Miller, Richard
; APPLICANT: Ross, Kevin
; APPLICANT: Wright, Meredith
; APPLICANT: Hemmi, Gregory W.
; APPLICANT: Dow, William C.
; APPLICANT: Kral, Vladimir
; APPLICANT: Iverson, Brent
; APPLICANT: Magda, Darren
; TITLE OF INVENTION: Tetraphyrin Metal Complex Mediated Ester
; TITLE OF INVENTION: Hydrolysis
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/227,370
; FILING DATE: 14-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UT58:562
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/320-7200
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-227-370-2
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Mon Aug 30 09:26:46 2004

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Query Match      10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 54;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1655 AGCACCAGGCTCACAGCTG 1673
DB 19 AACACCCGGCTCACAGATG 1

RESULT 24
US-08-486-962-4/c
; Sequence 4, Application US/08486962
; Patent No. 5763172
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; APPLICANT: Wright, Meredith
; APPLICANT: Ross, Kevin L.
; APPLICANT: Miller, Richard A.
; APPLICANT: Dow, William C.
; APPLICANT: Kral, Vladimir A.
; APPLICANT: Smith, Daniel A.
; TITLE OF INVENTION: METHOD OF PHOSPHATE ESTER HYDROLYSIS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacyclics, Inc.
; STREET: 995 E. Arques Avenue
; CITY: Sunnyvale
; STATE: California
; COUNTRY: USA
; ZIP: 94086-4521
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,962
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Jacqueline S.
; REGISTRATION NUMBER: 30,279
; REFERENCE/DOCKET NUMBER: PHAY:053
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (408) 774-0330
; TELEFAX: (408) 774-0340
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-486-962-4

Query Match      10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 54;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1655 AGCACCAGGCTCACAGCTG 1673
DB 19 AACACCCGGCTCACAGATG 1

RESULT 25
US-08-458-347-1/c
; Sequence 1, Application US/08458347
; Patent No. 5798491
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.

```

```

; TITLE OF INVENTION: Multi-Mechanistic Chemical Cleavage Using Certain
; TITLE OF INVENTION: Metal Complexes
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacyclics, Inc.
; STREET: 995 E. Arques Ave.
; CITY: Sunnyvale
; STATE: CA
; COUNTRY: US
; ZIP: 94086-4593
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/458,347
; FILING DATE: Concurrently herewith
; CLASSIFICATION: 204
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Jacqueline S.
; REGISTRATION NUMBER: 30,279
; REFERENCE/DOCKET NUMBER: PHAY:048
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 408/774-0330
; TELEFAX: 408/774-0340
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-458-347-1

Query Match      10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 54;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1655 AGCACCAGGCTCACAGCTG 1673
DB 19 AACACCCGGCTCACAGATG 1

RESULT 26
US-08-975-522A-5/c
; Sequence 5, Application US/08975522A
; Patent No. 6022959
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Crofts, Shaun P.
; APPLICANT: Wright, Meredith
; TITLE OF INVENTION: NUCLEIC ACIDS INTERNALLY-
; TITLE OF INVENTION: DERIVATIZED WITH A TEXAPHYRIN
; TITLE OF INVENTION: METAL COMPLEX AND USES THEREOF
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacyclics, Inc.
; STREET: 995 E. Arques Avenue
; CITY: Sunnyvale
; STATE: California
; COUNTRY: USA
; ZIP: 94085
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/975,522A
; FILING DATE: No. 6022959ember 20, 1997

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/ CLASSIFICATION: 536
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (512) 499-6200
/ TELEFAX: (512) 499-6290
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
US-08-975-522A-5

Query Match          10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 54;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1655 AGCACCAGGCTCACAGTG 1673
Db 19 AACACCGGCTCACAGATG 1

RESULT 27
US-09-103-875-123/c
; Sequence 123, Application US/09103875A
; Patent No. 6221849
; GENERAL INFORMATION:
; APPLICANT: Szyf, Moshe
; APPLICANT: Bigey, Pascal
; APPLICANT: Ramchandani, Shyam
; TITLE OF INVENTION: DNA METHYLTRANSFERASE GENOMIC SEQUENCES AND ANTISENSE
; FILE REFERENCE: 106101.194
; CURRENT APPLICATION NUMBER: US/09/103,875A
; CURRENT FILING DATE: 1998-06-24
; EARLIER APPLICATION NUMBER: 60/069,865
; EARLIER FILING DATE: 1997-12-17
; EARLIER APPLICATION NUMBER: 08/866,340
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 123
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-103-875-123

Query Match          10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 54;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1681 GGTGTCCTCCAGCGTGG 1699
Db 20 GGGGTCGTCTCCTCGGTGG 2

RESULT 28
US-09-798-096-16/c
; Sequence 16, Application US/09798096
; Patent No. 6393378
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL2 EXPRESSION
; FILE REFERENCE: RFS-0207
; CURRENT APPLICATION NUMBER: US/09/798,096
; CURRENT FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 16
; LENGTH: 20
; TYPE: DNA
```

```
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-798-096-16

Query Match          10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 54;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTGGAACCT 1680
Db 20 GGCTCACACCTGTAATCCT 2

RESULT 29
US-08-754-477A-109
; Sequence 109, Application US/08754477A
; Patent No. 6518411
; GENERAL INFORMATION:
; APPLICANT: Murray, Jeffrey
; APPLICANT: Semina, Elena
; TITLE OF INVENTION: RIB COMPOSITIONS AND THERAPEUTIC
; TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR
; NUMBER OF SEQUENCES: 139
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/754,477A
; FILING DATE: 22-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: UIA-022.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 109:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-754-477A-109

Query Match          10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 54;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1733 TGGTCCCAACTCTCCCT 1751
Db 2 TGTCTCCCAATCTCTACT 20

RESULT 30
PCT-US94-06284-2/c
; Sequence 2, Application PC/TUS9406284
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT: NAME: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS
; APPLICANT: SYSTEM
; APPLICANT: STREET: 201 West 7th Street
; APPLICANT: CITY: Austin
```

APPLICANT: STATE: Texas
APPLICANT: COUNTRY: United States of America
APPLICANT: POSTAL CODE: 78701
APPLICANT: TELEPHONE NO: (512)499-4462
APPLICANT: TELEFAX: (512)499-4523
APPLICANT: STREET: 995 East Arques Ave.
APPLICANT: CITY: Sunnyvale
APPLICANT: STATE: California
APPLICANT: COUNTRY: United States of America
APPLICANT: POSTAL CODE: 94086-4593
APPLICANT: TELEPHONE NO: (408)774-0330
APPLICANT: TELEFAX: (408)774-0340
TITLE OF INVENTION: TEXAPHIRIN METAL COMPLEX
TITLE OF INVENTION: MEDIATED ESTER HYDROLYSIS
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS: 16
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06284
FILING DATE: CONCURRENTLY HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/075,123
FILING DATE: 09 JUNE 1993 (09.06.93)
CLASSIFICATION:
APPLICATION NUMBER: USSN 08/227,370
FILING DATE: 14 APRIL 1994 (14.04.94)
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTFB570P--
TELEPHONE: 512/320-7200
TELEFAX: 713/789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
PCT-US94-06284-2
Query Match 10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 54;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1655 AGCACCAGGCTCACAGCTG 1673
Db 19 AACACCCGGCTCACAGATG 1
RESULT 31
US-09-844-525A-74/c
Sequence 74, Application US/09844525A
Patent No. 6468796
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF BIFUNCTIONAL APOPTOSIS REGULATOR EXPRESSION
FILE REFERENCE: RTS-0230
CURRENT APPLICATION NUMBER: US/09/844,525A

CURRENT FILING DATE: 2001-08-20
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 74
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-844-525A-74
Query Match 9.9%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 66;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1662 GGCTCACAGCTGGAAACC 1678
Db 17 GGCTCACACCTGGATCC 1
RESULT 32
US-08-921-497-4
Sequence 4, Application US/08921497
Patent No. 6521225
GENERAL INFORMATION:
APPLICANT: Srivastava, Arun
APPLICANT: Ponnazhagan, Selvarangan
APPLICANT: Chloemer, Robert H.
APPLICANT: Wang, Xu-Shan
APPLICANT: Yoder, Mervin C.
APPLICANT: Zhou, Shang-Zhen
APPLICANT: Escobedo, Jaime
APPLICANT: Varivani, Dwaraki
TITLE OF INVENTION: An AAV Vector Having Two Modified D-Sequences (As Amended)
FILE REFERENCE: 1242.003
CURRENT APPLICATION NUMBER: US/08/921,497
CURRENT FILING DATE: 1997-09-02
PRIOR APPLICATION NUMBER: US 60/025,616
PRIOR FILING DATE: 1996-09-06
PRIOR APPLICATION NUMBER: US 60/025,649
PRIOR FILING DATE: 1996-09-11
NUMBER OF SEQ ID NOS: 26
SOFTWARE: Patentin version 3.1
SEQ ID NO 4
LENGTH: 20
TYPE: DNA
ORGANISM: homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: primer for human gamma-globin
US-08-921-497-4
Query Match 9.9%; Score 13.8; DB 1; Length 20;
Best Local Similarity 86.2%; Pred. No. 66;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1681 GGTGTCTCTCTCCAGCGT 1697
Db 2 GGTTCCTCTCCAGCAT 18
RESULT 33
US-08-222-177A-434
Sequence 434, Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dewitt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison


```

; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-222-177A-434

Query Match          9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1713 AGGAGTACGGAGATGGAGAT 1732
Db 1 AGGAGTAGGAGCTGGAGGT 20

RESULT 34
US-08-718-596-2
; Sequence 2, Application US/08718596
; Patent No. 5827661
; GENERAL INFORMATION:
; APPLICANT: Blais, Burton W.
; TITLE OF INVENTION: Method for Enhancing Detection Ability of Nucleic
; TITLE OF INVENTION: Acid Assays Employing Polymerase Chain Reaction
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti, Ltd.
; STREET: 10 S. Wacker Drive
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/718,596
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/366,619
; FILING DATE: 30-12-1994
; APPLICATION NUMBER: No. 5827661 Assigned
; FILING DATE: 23-12-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: McDonnell, John J

; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-222-177A-434

Query Match          9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1684 GTCTCTCCAGCGTGGTGA 1703
Db 1 GTATCTCCAGAGTGATCGA 20

RESULT 35
US-08-881-037-95
; Sequence 95, Application US/08881037
; Patent No. 6080588
; GENERAL INFORMATION:
; APPLICANT: Click, Gary D.
; APPLICANT: Swanson, Patrick C.
; TITLE OF INVENTION: DNA BINDING ANTIBODIES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/881,037
; FILING DATE: 23-JUN-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/443,540
; FILING DATE: 18-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Konski, Antoinette F.
; REGISTRATION NUMBER: 34,202
; REFERENCE/DOCKET NUMBER: 203442110710
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 813-5600
; TELEFAX: (650) 494-0792
; TELEX:
; INFORMATION FOR SEQ ID NO: 95:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 8..20
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OTHER INFORMATION: /note= "Portion of the germline
OTHER INFORMATION: gene incorporated into the CDR3 construct"
US-08-881-037-95
Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1692 CAGCGTGGTGGAGTTGGT 1711
||| ||||| |||||
Db 1 CACTGTGGTGGACGTTGGT 20
||| ||||| |||||
RESULT 36
US-08-881-037-103
; Sequence 103, Application US/08881037
; Patent No. 6080588
; GENERAL INFORMATION:
; APPLICANT: Glick, Gary D.
; APPLICANT: Swanson, Patrick C.
; TITLE OF INVENTION: DNA BINDING ANTIBODIES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/881,037
; FILING DATE: 23-JUN-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/443,540
; FILING DATE: 18-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Kanski, Antoinette F.
; REGISTRATION NUMBER: 34,202
; REFERENCE/DOCKET NUMBER: 203442110710
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 813-5600
; TELEFAX: (650) 494-0792
; TELEX:
; INFORMATION FOR SEQ ID NO: 103:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; NAME/KEY: misc feature
; LOCATION: 8..20
; OTHER INFORMATION: /note= "Portion of the germline
; OTHER INFORMATION: gene incorporated into the CDR3 construct"
US-08-881-037-103
Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1692 CAGCGTGGTGGAGTTGGT 1711
||| ||||| |||||
Db 1 CACTGTGGTGGACGTTGGT 20
||| ||||| |||||
RESULT 37

US-09-021-701-587/c
; Sequence 587, Application US/09021701
; Patent No. 6251588
; GENERAL INFORMATION:
; APPLICANT: Shannon, Karen W.
; APPLICANT: Wolber, Paul K.
; APPLICANT: Delenstarr, Glenda C.
; APPLICANT: Webb, Peter G.
; APPLICANT: Kincaid, Robert H.
; TITLE OF INVENTION: Methods for evaluating oligonucleotide
; TITLE OF INVENTION: probe sequences
; NUMBER OF SEQUENCES: 1165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard Company M/S 20
; STREET: 3000 Hanover Street
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/021,701
; FILING DATE: 10-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Choi, Wendy A.
; REGISTRATION NUMBER: 36,697
; REFERENCE/DOCKET NUMBER: 10971464-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-236-2386
; TELEFAX: 650-852-8063
; INFORMATION FOR SEQ ID NO: 587:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-021-701-587
Query Match 5.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1701 GGAAGTTGGTTAGGAGTAC 1720
||| ||||| ||||| |||||
Db 20 GGAAGTTCAATTAGGATAC 1
||| ||||| ||||| |||||
RESULT 38
US-09-467-642-88
; Sequence 88, Application US/09467642
; Patent No. 6300132
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF TELOMERIC REPEAT BINDING FACTOR 2 EXPRES
; FILE REFERENCE: RTS-0106
; CURRENT APPLICATION NUMBER: US/09/467,642
; CURRENT FILING DATE: 1999-12-20
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 88
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide

US-09-467-642-88

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1640 TTGTAGCAGAAGGCAAGCAC 1659
||| ||||| ||||| |||||
Db 1 TTGCATCAGAAGGCCAGAAC 20

RESULT 39
US-09-422-978-10402/c
; Sequence 10402, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10402
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..20
; OTHER INFORMATION: downstream amplification primer 99-11658 for SEQ 2537, in complement
US-09-422-978-10402

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1746 CTCCTCTCTCTAAAGGCCCA 1765
||| ||||| ||||| |||||
Db 20 CTCCTCTCTCTACTCCCA 1

RESULT 40
US-09-198-452A-6657/c
; Sequence 6657, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6657
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6657

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1633 ATGGGGCTTGTAGCAGAAGG 1652

Db 20 ATGGTCTAGTATCAGCAGG 1

RESULT 41
US-09-198-452A-6714/c
; Sequence 6714, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6714
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6714

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1720 CGGAGATCGAGATTGGCTCC 1739
||| ||||| ||||| |||||
Db 20 CGGATAGGAGACTGGCTGC 1

RESULT 42
US-09-428-583-84
; Sequence 84, Application US/09428583
; Patent No. 6271029
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOCHESIN-2 EXPRESSION
; FILE REFERENCE: RTS-0096
; CURRENT APPLICATION NUMBER: US/09/428,583
; CURRENT FILING DATE: 1999-10-27
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 84
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-583-84

Query Match 9.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 82;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1685 TCTCCTCCAGCGTGG 1699
||| ||||| ||||| |||||
Db 5 TCTCCTCCTCGGTGG 19

RESULT 43
US-09-360-416-9/c
; Sequence 9, Application US/09360416
; Patent No. 6458536
; GENERAL INFORMATION:
; APPLICANT: Richard A. Gatti
; TITLE OF INVENTION: METHODS FOR DETECTION OF ATAXIA
; TITLE OF INVENTION: TELANGIECTASIA MUTATIONS
; FILE REFERENCE: 510015-222
; CURRENT APPLICATION NUMBER: US/09/360,416
; CURRENT FILING DATE: 1999-07-23
; NUMBER OF SEQ ID NOS: 143

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; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Human
US-09-360-416-9

Query Match          9.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 82;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1742 ACTCTCTCCCTATCCT 1756
Db 15 ACTCTCTCCCTCTCCT 1

RESULT 44
US-08-547-12/c
; Sequence 12, Application US/08802547
; Patent No. 5780611
; GENERAL INFORMATION:
; APPLICANT: Guntaka, Ramareddy V.
; APPLICANT: Weber, Karl T.
; APPLICANT: Kovacs, Attila
; APPLICANT: Kandala, Jagannadhachari
; TITLE OF INVENTION: OLIGOMERS WHICH INHIBIT EXPRESSION OF
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hovey, Williams, Timmons & Collins
; STREET: 2405 Grand Boulevard, Suite 400
; CITY: Kansas City
; STATE: MO
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/802,547
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 24129-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816-474-9050
; TELEFAX: 816-474-9057
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; POSITION IN GENOME:
; UNITS: bp
US-08-802-547-12

Query Match          9.5%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 74;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1736 CTCCCAACTCTCCCTAT 1753
Db 18 CTCCCTCCCTCTCCTTT 1

RESULT 46
US-09-255-912-28
; Sequence 28, Application US/09255912
; Patent No. 6037142
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD2 EXPRESSION
; FILE REFERENCE: RTS-0044
; CURRENT APPLICATION NUMBER: US/09/255,912
; CURRENT FILING DATE: 1999-02-23
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

```

```
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-255-912-28

Query Match          9.5%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 74;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1699 GTGGAAGTTGGTTAGGA 1716
DB 1 CGCGAAGTTCTGTTAGGA 18

RESULT 47
US-09-280-409-75
; Sequence 75, Application US/09280409
; Patent No. 6107092
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowser
; APPLICANT: C. Frank Bennett
; APPLICANT: Bert W. O'Malley
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRA EXPRESSION
; FILE REFERENCE: RTS-0048
; CURRENT APPLICATION NUMBER: US/09/280,409
; CURRENT FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 146
; SEQ ID NO 75
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-280-409-75

Query Match          9.5%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 74;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1668 CAGCTGGAACCTGGTGT 1685
DB 1 CTGCTGGAGCTGGTAT 18

RESULT 48
US-09-723-534-10/c
; Sequence 10, Application US/09723534
; Patent No. 6294382
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRC-1 EXPRESSION
; FILE REFERENCE: RTS-0225
; CURRENT APPLICATION NUMBER: US/09/723,534
; CURRENT FILING DATE: 2000-11-27
; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 10
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-723-534-10

Query Match          9.5%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 74;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1691 CCAGCGTGGTGGAGTTG 1708
DB 18 CCAGTGGTGGATTTCG 1

RESULT 49
US-09-721-822A-116/c
; Sequence 116, Application US/09721822A
; Patent No. 6306606
; GENERAL INFORMATION:
; APPLICANT: Michael J. Weber
; APPLICANT: Jacqueline Wyatt
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF MP-1 EXPRESSION
; FILE REFERENCE: RTS-0142
; CURRENT APPLICATION NUMBER: US/09/721,822A
; CURRENT FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 116
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-721-822A-116

Query Match          9.5%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 74;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAACCTG 1681
DB 18 CTCAGTGGAGCAACCTG 1

RESULT 50
US-09-077-619-15/c
; Sequence 15, Application US/09077619
; Patent No. 6500614
; GENERAL INFORMATION:
; APPLICANT: ARGUELLO, Rafael
; APPLICANT: AVAKIAN, Hovanes
; APPLICANT: MADRIGAL, Alejandro
; TITLE OF INVENTION: METHOD FOR IDENTIFYING AN UNKNOWN ALLELE
; FILE REFERENCE: 028979/0104
; CURRENT APPLICATION NUMBER: US/09/077,619
; CURRENT FILING DATE: 2000-03-31
; PRIOR FILING DATE: 1996-11-29
; PRIOR APPLICATION NUMBER: PCT/GB96/02959
; PRIOR FILING DATE: 1995-11-29
; PRIOR APPLICATION NUMBER: GB 9524381.2
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-077-619-15

Query Match          9.5%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 74;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1732 TTGGCTCCCAACTCCTCC 1749
DB 18 TAGGCTCTCAACTGCTCC 1

RESULT 51
US-08-486-962-16/c
; Sequence 16, Application US/08486962
; Patent No. 5763172
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; APPLICANT: Wright, Meredith
; APPLICANT: Ross, Kevin L.
; APPLICANT: Miller, Richard A.
; APPLICANT: Dow, William C.
; APPLICANT: Kral, Vladimir A.
```

Best Local Similarity 83.3%; Pred. No. 82;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1715 GAGTACGAGATGGAGAT 1732
| | | | | | | | | | | | | | | | | | | | | |
DB 1 GAGCACAGATGGAGGT 18

RESULT 53
PCT-US94-06284-16/c
; Sequence 16, Application PC/TUS9406284
; GENERAL INFORMATION:
; APPLICANT: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS
; APPLICANT: NAME: SYSTEM
; APPLICANT: STREET: 201 West 7th Street
; APPLICANT: CITY: Austin
; APPLICANT: STATE: Texas
; APPLICANT: COUNTRY: United States of America
; APPLICANT: POSTAL CODE: 78701
; APPLICANT: TELEPHONE NO: (512)499-4462
; APPLICANT: TELEFAX: (512)499-4523
; APPLICANT: STREET: 995 East Arques Ave.
; APPLICANT: CITY: Sunnyvale
; APPLICANT: STATE: California
; APPLICANT: COUNTRY: United States of America
; APPLICANT: POSTAL CODE: 94086-4593
; APPLICANT: TELEPHONE NO: (408)774-0330
; APPLICANT: TELEFAX: (408)774-0340
; TITLE OF INVENTION: TEXAPHYRIN METAL COMPLEX
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06284
FILING DATE: CONCURRENTLY HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US94 08/075,123
FILING DATE: 09 JUNE 1993 (09.06.93)
CLASSIFICATION:
APPLICATION NUMBER: US94 08/227,370
FILING DATE: 14 APRIL 1994 (14.04.94)
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTEBS70P--
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/320-7200
TELEFAX: 713/789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
PCT-US94-06284-16

Query Match 9.5%; Score 13.2; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 82;

APPLICANT: Smith, Daniel A.
TITLE OF INVENTION: METHOD OF PHOSPHATE ESTER HYDROLYSIS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pharmacyclics, Inc.
STREET: 995 E. Arques Avenue
CITY: Sunnyvale
STATE: California
COUNTRY: USA
ZIP: 94086-4521

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,962
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Larson, Jacqueline S.
REGISTRATION NUMBER: 30,279
REFERENCE/DOCKET NUMBER: PHAY:053
TELECOMMUNICATION INFORMATION:
TELEPHONE: (408) 774-0330
TELEFAX: (408) 774-0340
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"

US-08-486-962-16

Query Match 9.5%; Score 13.2; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 82;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1655 AGCACCGGCTCACAGT 1672
| | | | | | | | | | | | | | | | | | | | | |
DB 18 AACACCGGCTCACAGAT 1

RESULT 52
US-09-972-115A-27
; Sequence 27, Application US/09972115A
; Patent No. 6595728
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gregg, Morin B.
; APPLICANT: Walter, Funk D.
; APPLICANT: Mieczyslaw, Piatyszek A.
; TITLE OF INVENTION: A Second Mammalian Telomerase
; FILE REFERENCE: 080/003C
; CURRENT APPLICATION NUMBER: US/09/972,115A
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 60/128,577
; PRIOR FILING DATE: 2000-04-10
; PRIOR APPLICATION NUMBER: US 60/129,123
; PRIOR FILING DATE: 1999-04-13
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 27
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-972-115A-27

Query Match 9.5%; Score 13.2; DB 1; Length 19;

```
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1655 AGCACCAGGCTCAGAGT 1672
DB 18 AACACCGGCTCAGAGT 1

RESULT 54
US-07-696-793A-17/c
; Sequence 17, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; CORRESPONDENCE ADDRESS: 58
; NUMBER OF SEQUENCES: 58
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-696-793A-17

Query Match 9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 91;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1670 GCTGGACCGCTGTGTCT 1687
DB 19 GGTGAAGCGCTGTGTGT 2

RESULT 55
US-07-694-17/c
; Sequence 17, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.

Query Match 9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 91;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1670 GCTGGACCGCTGTGTCT 1687
DB 19 GGTGAAGCGCTGTGTGT 2

RESULT 56
US-09-357-070-43/c
; Sequence 43, Application US/09357070
; Patent No. 6046049
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex W. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF P13 KINASE P110 DELTA EXPRESSION
; FILE REFERENCE: RTS-0076
; CURRENT APPLICATION NUMBER: US/09/357,070
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 43
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
; US-09-357-070-43

Query Match 9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 91;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1656 GCACCGGCTCAGAGT 1673
DB 18 GCACCGGCTCAGAGT 1

RESULT 57
US-09-593-711A-114
```

```
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-977-694-17

Query Match 9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 91;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1670 GCTGGACCGCTGTGTCT 1687
DB 19 GGTGAAGCGCTGTGTGT 2

RESULT 56
US-09-357-070-43/c
; Sequence 43, Application US/09357070
; Patent No. 6046049
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex W. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF P13 KINASE P110 DELTA EXPRESSION
; FILE REFERENCE: RTS-0076
; CURRENT APPLICATION NUMBER: US/09/357,070
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 43
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
; US-09-357-070-43

Query Match 9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 91;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1656 GCACCGGCTCAGAGT 1673
DB 18 GCACCGGCTCAGAGT 1

RESULT 57
US-09-593-711A-114
```

```
; Sequence 114, Application US/09593711A
; Patent No. 6271030
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Madeline M. Butler
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
; FILE REFERENCE: RTS-0118
; CURRENT APPLICATION NUMBER: US/09/593,711A
; CURRENT FILING DATE: 2000-06-14
; NUMBER OF SEQ ID NOS: 244
; SEQ ID NO 114
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-114

Query Match          9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 91;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1634 TCGGGCTCTAGCAGAG 1651
Db 2 TCGGGCTCTAGTAGAAG 19

RESULT 58
US-09-742-703-19/c
; Sequence 19, Application US/09742703
; Patent No. 6423543
; GENERAL INFORMATION:
; APPLICANT: Patrick Allen Marcotte
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF HEP SIN EXPRESSION
; FILE REFERENCE: RTS-0090
; CURRENT APPLICATION NUMBER: US/09/742,703
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 19
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-742-703-19

Query Match          9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 91;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGACCCCTG 1681
Db 19 CTCACCTGGGGGACCCCTG 2

RESULT 59
US-09-198-452A-6149
; Sequence 6149, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6149
; LENGTH: 20
; TYPE: DNA
```

```
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6149

Query Match          9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 91;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1744 TCCTCCCTATCCTAAAGG 1761
Db 3 TCCTCTCTACCTAAAGG 20

RESULT 60
US-09-823-549-1/c
; Sequence 1, Application US/09823549
; Patent No. 6664442
; GENERAL INFORMATION:
; APPLICANT: McConlogue, Lisa C
; APPLICANT: Games, Kate L.
; APPLICANT: Yednock, Theodore A.
; APPLICANT: Hua, Tan
; APPLICANT: Messersmith, Elizabeth
; APPLICANT: Bard, Frederique
; TITLE OF INVENTION: SCREENING MARKERS AND METHODS FOR NEURODEGENERATIVE DISORDERS
; FILE REFERENCE: 015270-009110US
; CURRENT APPLICATION NUMBER: US/09/823,549
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 60/193,847
; PRIOR FILING DATE: 2000-03-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MoGapdh251F forward primer
US-09-823-549-1

Query Match          9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 91;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1723 AGATGGAGATTGGCTCC 1740
Db 19 AGATGGTGTGGCTTCC 2

RESULT 61
US-08-363-240A-758
; Sequence 758, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR PREVENTION, INHIBITION OF PROGRESSION AND REGRESSION OF VASCULAR DISEASES
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
```


Db 16 AACACCGGCTCACAG 1

RESULT 64

US-08-584-040-7909/c
Sequence 7909, Application US/08584040
Patent No. 6346398

GENERAL INFORMATION:

APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TREATMENT OF DISEASES OR
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:

ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514

PRIORITY INFORMATION:

APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440

INFORMATION FOR SEQ ID NO: 7909:

SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-584-040-7909

Query Match

Best Local Similarity 9.2%; Score 12.8; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1646 CAGAAGCGCACCA 1661

Db 17 CAGAAGCGCACCA 2

RESULT 65

US-09-371-772B-3692/c
Sequence 3692, Application US/09371772B
Patent No. 6566127

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
FILE REFERENCE: MEH00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10

PRIOR APPLICATION NUMBER: US 60/005,974

PRIOR FILING DATE: 1995-10-26

PRIOR APPLICATION NUMBER: US 08/584,040

NUMBER OF SEQ ID NOS: 14225

SOFTWARE: Patent in version 3.0

SEQ ID NO 3692

LENGTH: 17

TYPE: RNA

ORGANISM: Mus sp.

US-09-371-772B-3692

Query Match

Best Local Similarity 9.2%; Score 12.8; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1646 CAGAAGCGCACCA 1661

Db 17 CAGAAGCGCACCA 2

RESULT 66

PCT-US94-06284-12/c

Sequence 12, Application PC/TUS9406284

GENERAL INFORMATION:

APPLICANT: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS
APPLICANT: NAME: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS
APPLICANT: SYSTEM: 201 West 7th Street
APPLICANT: STREET: Austin
APPLICANT: CITY: Texas
APPLICANT: STATE: United States of America
APPLICANT: COUNTRY: 78701
APPLICANT: POSTAL CODE: 78701
APPLICANT: TELEPHONE NO: (512)499-4462
APPLICANT: TELEFAX: (512)499-4523
APPLICANT: STREET: 995 East Arques Ave.
APPLICANT: CITY: Sunnyvale
APPLICANT: STATE: California
APPLICANT: COUNTRY: United States of America
APPLICANT: POSTAL CODE: 94086-4593
APPLICANT: TELEPHONE NO: (408)774-0330
APPLICANT: TELEFAX: (408)774-0340

TITLE OF INVENTION: TEXAPHYRIN METAL COMPLEX

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSER: Arnold, White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: Texas

COUNTRY: USA

ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/06284

FILING DATE: CONCURRENTLY HEREWITH

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/075,123

FILING DATE: 09 JUNE 1993 (09.06.93)

CLASSIFICATION:

APPLICATION NUMBER: USSN 08/227,370

FILING DATE: 14 APRIL 1994 (14.04.94)

```

;
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: PARKER, DAVID L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTFB570P--
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/320-7200
; TELEFAX: 713/789-2679
; TELEX: 79-0924
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; PCT-US94-06284-12

Query Match          9.2%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 82;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1655 AGCACCAGGCTCACAG 1670
Db 16 AACACCCGGCTCACAG 1

RESULT 67
US-08-486-962-15/c
; Sequence 15, Application US/08486962
; Patent No. 5763172
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; APPLICANT: Wright, Meredith
; APPLICANT: Ross, Kevin L.
; APPLICANT: Miller, Richard A.
; APPLICANT: Dow, William C.
; APPLICANT: Kral, Vladimir A.
; APPLICANT: Smith, Daniel A.
; TITLE OF INVENTION: METHOD OF PHOSPHATE ESTER HYDROLYSIS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacyplics, Inc.
; STREET: 995 E. Arques Avenue
; CITY: Sunnyvale
; STATE: California
; COUNTRY: USA
; ZIP: 94086-4521
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,962
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Jacqueline S.
; REGISTRATION NUMBER: 30,279
; REFERENCE/DOCKET NUMBER: PHAY:053
; TELEPHONE: (408) 774-0330
; TELEFAX: (408) 774-0340
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"

US-08-486-962-15
Query Match          9.2%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 92;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1655 AGCACCAGGCTCACAG 1670
Db 17 AACACCCGGCTCACAG 2

RESULT 68
US-08-671-975A-7
; Sequence 7, Application US/08671975A
; Patent No. 5830656
; GENERAL INFORMATION:
; APPLICANT: Milo, George
; TITLE OF INVENTION: CATR GENE
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CALFEE, HALTER & GRISWOLD
; STREET: 800 SUPERIOR AVENUE, SUITE 1400
; CITY: CLEVELAND
; STATE: OHIO
; COUNTRY: USA
; ZIP: 44114
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/671,975A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: GOLRICK, MARY E
; REGISTRATION NUMBER: 34,829
; REFERENCE/DOCKET NUMBER: 22727/00134
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (216) 622-8200
; TELEFAX: (216) 241-0816
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-671-975A-7

Query Match          9.2%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 92;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1691 CCAGCGTGGTGGAAAGT 1706
Db 2 CCAGTGTGGTGAATT 17

RESULT 69
US-09-280-409-109
; Sequence 109, Application US/09280409
; Patent No. 6107092
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowser
; APPLICANT: C. Frank Bennett
; APPLICANT: Bert W. O'Malley
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRA EXPRESSION
; FILE REFERENCE: RTS-0048
; CURRENT APPLICATION NUMBER: US/09/280,409
```

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; CURRENT FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 146
; SEQ ID NO 109
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-280-409-109

Query Match          9.2%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 92;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1670 GCTGGAACCTGGTGT 1685
Db 2 GCTGGAAGCCTGGTAT 17

RESULT 70
US-09-280-409-142
; Sequence 142, Application US/09280409
; Patent No. 6107092
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowser
; APPLICANT: C. Frank Bennett
; APPLICANT: Bert W. O'Malley
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRA EXPRESSION
; FILE REFERENCE: RTS-0048
; CURRENT APPLICATION NUMBER: US/09/280,409
; CURRENT FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 146
; SEQ ID NO 142
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-280-409-142

Query Match          9.2%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 92;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1668 CAGCTGGAACCTGGT 1683
Db 2 CTGCTGGAAGCCTGGT 17

RESULT 71
PCT-US94-06284-15/c
; Sequence 15, Application PC/TUS9406284
; GENERAL INFORMATION:
; APPLICANT: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS
; APPLICANT: NAME:
; APPLICANT: SYSTEM
; APPLICANT: STREET: 201 West 7th Street
; APPLICANT: CITY: Austin
; APPLICANT: STATE: Texas
; APPLICANT: COUNTRY: United States of America
; APPLICANT: POSTAL CODE: 78701
; APPLICANT: TELEPHONE NO: (512)499-4462
; APPLICANT: TELEFAX: (512)499-4523
; APPLICANT: STREET: 995 East Arques Ave.
; APPLICANT: CITY: Sunnyvale
; APPLICANT: STATE: California
; APPLICANT: COUNTRY: United States of America
; APPLICANT: POSTAL CODE: 94086-4593
; APPLICANT: TELEPHONE NO: (408)774-0330
; APPLICANT: TELEFAX: (408)774-0340
; TITLE OF INVENTION: TEXAPHYRIN METAL COMPLEX
; NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06284
FILING DATE: CONCURRENTLY HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/075,123
FILING DATE: 09 JUNE 1993 (09.06.93)
CLASSIFICATION:
APPLICATION NUMBER: USSN 08/227,370
FILING DATE: 14 APRIL 1994 (14.04.94)
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTB570P--
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/320-7200
TELEFAX: 713/789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
PCT-US94-06284-15

Query Match          9.2%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 92;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1655 AGCACCAGGCTCACAG 1670
Db 17 AACACCCGCTCACAG 2

RESULT 72
US-08-785-247-12
; Sequence 12, Application US/08785247
; Patent No. 6040149
; GENERAL INFORMATION:
; APPLICANT: Kolesnick, Richard N.
; APPLICANT: Liu, Jun
; APPLICANT: Zhang, Yuhua
; TITLE OF INVENTION: ASSAY FOR IDENTIFYING AGENTS WHICH ACT ON THE
; TITLE OF INVENTION: CERAMIDE-ACTIVATED PROTEIN KINASE, KINASE
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
```

APPLICATION NUMBER: US/08/785,247
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 48582-A/JPW/CCA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-381-0526
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-785-247-12

Query Match 9.2%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 1648 GAAGGCAAGCTCAGG 1663
Db 1 GAAGGCAAGCTCAGG 16

RESULT 73
US-08-267-803B-68
Sequence 68, Application US/08267803B
Patent No. 5834183
GENERAL INFORMATION:
APPLICANT: Orr, Harry T.
APPLICANT: Ranum, Laura P.W.
APPLICANT: Chung, Ming-Yi
APPLICANT: Zoghbi, Huda Y.
TITLE OF INVENTION: Gene Sequence for Spinocerebellar Ataxia
Patent No. 5834183
TITLE OF INVENTION: Type 1 and Method for Diagnosis
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESSEE: Meeting, Raasch, Gebhardt & Schwappach, P.A.
STREET: P.O. Box 581415
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55458-1415
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/267,803B
FILING DATE: 28-JUN-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: McCormack, Myra H.
REGISTRATION NUMBER: 36,602
REFERENCE/DOCKET NUMBER: 110.00030120
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-305-1217
TELEFAX: 612-305-1228
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-267-803B-68

Query Match 9.1%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.1e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Oy 1657 CACCAGGCTCACAGTGA 1675
Db 1 CACCAGGCTCCGTGATGA 19

RESULT 74
US-09-422-978-8278/c
Sequence 8278, Application US/09422978
Patent No. 6537751
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CPI
CURRENT APPLICATION NUMBER: US/09/422,978
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/298,850
EARLIER FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER FILING DATE: 1998-11-23
EARLIER APPLICATION NUMBER: US 60/082,614
EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 8278
LENGTH: 19
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1..19
OTHER INFORMATION: downstream amplification primer 99-14699 for SEQ 413, in complemer
US-09-422-978-8278

Query Match 9.1%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.1e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Oy 1694 GCCTGTGGAGTGGGTT 1712
Db 19 GAGTTGGATGTTGGGGT 1

RESULT 75
US-07-912-900-11
Sequence 11, Application US/07912900
Patent No. 5349125
GENERAL INFORMATION:
APPLICANT: Holton, Timothy A.
APPLICANT: Cornish, Edwina C.
APPLICANT: Kovacic, Filippa
APPLICANT: Tanaka, Yoshikazu
APPLICANT: Lester, Diane R.
TITLE OF INVENTION: GENETIC SEQUENCES ENCODING FLAVONOID
TITLE OF INVENTION: PATHWAY ENZYMES AND USES THEREFOR
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: New York
COUNTRY: U.S.A.
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/912,900
FILING DATE: 19920713
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Digiglio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 8633
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-912-900-11

Query Match 8.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 80;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1683 TGTCTCTCCAGCG 1696
Db 2 TGTCTCTCCAGTG 15

RESULT 76
US-08-285-309-11
Sequence 11, Application US/08285309
Patent No. 5569832
GENERAL INFORMATION:
APPLICANT: Holton, Timothy A.
APPLICANT: Cornish, Edwina C.
APPLICANT: Kovacic, Filipa
APPLICANT: Tanaka, Yoshikazu
APPLICANT: Lester, Diane R.
TITLE OF INVENTION: GENETIC SEQUENCES ENCODING A 3,5'-
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: New York
COUNTRY: U.S.A.
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/285,309
FILING DATE: 03-AUG-1994
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/285,309
FILING DATE: 03-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Digiglio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 8633Z
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

Query Match 8.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 80;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1683 TGTCTCTCCAGCG 1696
Db 2 TGTCTCTCCAGTG 15

RESULT 77
US-08-502-046-11
Sequence 11, Application US/08502046
Patent No. 5861487
GENERAL INFORMATION:
APPLICANT: Holton, Timothy A.
APPLICANT: Cornish, Edwina C.
APPLICANT: Kovacic, Filipa
APPLICANT: Tanaka, Yoshikazu
APPLICANT: Lester, Diane R.
TITLE OF INVENTION: GENETIC SEQUENCES ENCODING A 3,5'-
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: New York
COUNTRY: U.S.A.
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/502,046
FILING DATE: 14-JUL-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/285,309
FILING DATE: 03-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Digiglio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 8633Z
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-502-046-11

Query Match 8.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 80;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1683 TGTCTCTCCAGCG 1696
Db 2 TGTCTCTCCAGTG 15

RESULT 78
US-07-696-793A-22/c
Sequence 22, Application US/07696793A
Patent No. 5220004

US-08-285-309-11

Query Match 8.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 80;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1683 TGTCTCTCCAGCG 1696
Db 2 TGTCTCTCCAGTG 15

RESULT 77
US-08-502-046-11
Sequence 11, Application US/08502046
Patent No. 5861487
GENERAL INFORMATION:
APPLICANT: Holton, Timothy A.
APPLICANT: Cornish, Edwina C.
APPLICANT: Kovacic, Filipa
APPLICANT: Tanaka, Yoshikazu
APPLICANT: Lester, Diane R.
TITLE OF INVENTION: GENETIC SEQUENCES ENCODING A 3,5'-
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: New York
COUNTRY: U.S.A.
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/502,046
FILING DATE: 14-JUL-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/285,309
FILING DATE: 03-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Digiglio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 8633Z
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-502-046-11

Query Match 8.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 80;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1683 TGTCTCTCCAGCG 1696
Db 2 TGTCTCTCCAGTG 15

RESULT 78
US-07-696-793A-22/c
Sequence 22, Application US/07696793A
Patent No. 5220004

```
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-696-793A-22

Query Match      8.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 90;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1698 GGTGGAAGTTGGGT 1711
Db      16 GGTGGAAGCTGGGT 3

RESULT 79
US-07-977-694-22/c
; Sequence 22, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
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```
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-977-694-22

Query Match      8.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 90;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1698 GGTGGAAGTTGGGT 1711
Db      16 GGTGGAAGCTGGGT 3

RESULT 80
US-08-255-264-24/c
; Sequence 24, Application US/08255264
; Patent No. 5643724
; GENERAL INFORMATION:
; APPLICANT: Fildes, Nicola J.
; APPLICANT: Reynolds, Rebecca L.
; TITLE OF INVENTION: Methods and Reagents for Glycophorin A
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/255,264
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Petry Ph.D., Douglas A.
; REGISTRATION NUMBER: 35,321
; REFERENCE/DOCKET NUMBER: 8865
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2974
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-255-264-24
```

```
Query Match      8.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 90;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1698 GGTGGAAGTTGGGT 1711
DB 16 GGTGGAAGCTGGGT 3

RESULT 81
US-08-161-674B-20/c
; Sequence 20, Application US/08161674B
; Patent No. 6180766
; GENERAL INFORMATION:
; APPLICANT: Schinazi, Raymond F.
; APPLICANT: Fulcrand-El Kattan, Geraldine
; APPLICANT: Lesnikowski, Zibigniew J.
; TITLE OF INVENTION: Nucleosides and Oligonucleotides Containing Boron
; TITLE OF INVENTION: Clusters
; FILE REFERENCE: 18085.105068
; CURRENT APPLICATION NUMBER: US/08/161,674B
; CURRENT FILING DATE: 1993-12-02
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus type 1
US-08-161-674B-20

Query Match      8.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 90;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1677 CCTGTGTCTCT 1690
DB 16 CCTGTGTCTCAT 3

RESULT 82
US-09-371-772B-5908/c
; Sequence 5908, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Favco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Related to the Treatment of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5908
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5908

Query Match      8.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 90;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GCTCAGCTGGAA 1676
DB 16 GCCACAGCTGGAA 3
```

```
RESULT 83
US-07-696-793A-20/c
; Sequence 20, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-07-696-793A-20

Query Match      8.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1698 GGTGGAAGTTGGGT 1711
DB 17 GGTGGAAGCTGGGT 4

RESULT 84
US-07-977-694-20/c
; Sequence 20, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
```



```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
;
; US-07-977-694-20
;
; Query Match 8.9%; Score 12.4; DB 1; Length 17;
; Best Local Similarity 92.9%; Pred. No. 1e+02;
; Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
; Qy 1698 GGTGGAAGTTGGGT 1711
; Db 17 GGTGGAAGCTGGGT 4
;
; RESULT 85
; US-09-371-772B-4993/c
; Sequence 4993, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MRH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR FILING DATE: 1999-08-10
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4993
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
;
; US-09-371-772B-4993
;
; Query Match 8.9%; Score 12.4; DB 1; Length 17;
; Best Local Similarity 92.9%; Pred. No. 1e+02;
; Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
; Qy 1663 GCTCACACTGGAA 1676
; Db 15 GCCCACACTGGAA 2
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
;
; US-07-977-694-20
;
; Query Match 8.9%; Score 12.4; DB 1; Length 17;
; Best Local Similarity 92.9%; Pred. No. 1e+02;
; Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
; Qy 1698 GGTGGAAGTTGGGT 1711
; Db 17 GGTGGAAGCTGGGT 4
;
; RESULT 86
; US-07-696-793A-12/c
; Sequence 12, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
;
; US-07-696-793A-12
;
; Query Match 8.9%; Score 12.4; DB 1; Length 18;
; Best Local Similarity 92.9%; Pred. No. 1.1e+02;
; Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
; Qy 1698 GGTGGAAGTTGGGT 1711
; Db 17 GGTGGAAGTTTGGT 4
;
; RESULT 87
; US-07-977-694-12/c
; Sequence 12, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
```

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; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-07-977-694-12

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1698 GGTGGAAGTTGGT 1711
DB      17 GGTGGAAGTTGGT 4

RESULT 88
US-08-802-547-8/c
; Sequence 8, Application US/08802547
; Patent No. 5780611
; GENERAL INFORMATION:
; APPLICANT: Guntaka, Ramareddy V.
; APPLICANT: Weber, Karl T.
; APPLICANT: Kovacs, Attila
; APPLICANT: Kandala, Jagannadhachari
; TITLE OF INVENTION: OLIGOMERS WHICH INHIBIT EXPRESSION OF
; TITLE OF INVENTION: COLLAGEN GENES
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hovey, Williams, Timmons & Collins
; STREET: 2405 Grand Boulevard, Suite 400
; CITY: Kansas City
; STATE: MO
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/802,547
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 24129-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816-474-9050
; TELEFAX: 816-474-9057
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; POSITION IN GENOME:
; UNITS: bp
US-08-802-547-10

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1743 CTCCTCCCTTATCCT 1756
DB      17 CTCCTCCCTTATCCT 4
```

```

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; POSITION IN GENOME:
; UNITS: bp
US-08-802-547-8

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1743 CTCCTCCCTTATCCT 1756
DB      17 CTCCTCCCTTATCCT 4

RESULT 89
US-08-802-547-10/c
; Sequence 10, Application US/08802547
; Patent No. 5780611
; GENERAL INFORMATION:
; APPLICANT: Guntaka, Ramareddy V.
; APPLICANT: Weber, Karl T.
; APPLICANT: Kovacs, Attila
; APPLICANT: Kandala, Jagannadhachari
; TITLE OF INVENTION: OLIGOMERS WHICH INHIBIT EXPRESSION OF
; TITLE OF INVENTION: COLLAGEN GENES
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hovey, Williams, Timmons & Collins
; STREET: 2405 Grand Boulevard, Suite 400
; CITY: Kansas City
; STATE: MO
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/802,547
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 24129-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816-474-9050
; TELEFAX: 816-474-9057
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; POSITION IN GENOME:
; UNITS: bp
US-08-802-547-10

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1743 CTCCTCCCTTATCCT 1756
DB      17 CTCCTCCCTTATCCT 4
```

```
Db      17 CTCCTCCCTTTCCT 4

RESULT 90
US-08-802-547-11/c
; Sequence 11, Application US/08802547
; Patent No. 5780611
; GENERAL INFORMATION:
; APPLICANT: Guntaka, Ramareddy V.
; APPLICANT: Weber, Karl T.
; APPLICANT: Kovacs, Attila
; APPLICANT: Kandala, Jagannadhachari
; TITLE OF INVENTION: OLIGOMERS WHICH INHIBIT EXPRESSION OF
; TITLE OF INVENTION: COLLAGEN GENES
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hovey, Williams, Timmons & Collins
; STREET: 2405 Grand Boulevard, Suite 400
; CITY: Kansas City
; STATE: MO
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/802,547
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
; REGISTRATION NUMBER: 26,262
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816-474-9050
; TELEFAX: 816-474-9057
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; POSITION IN GENOME:
; UNITS: bp
US-08-802-547-11

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1743 CTCCTCCCTTTCCT 1756
        |||||
Db      17 CTCCTCCCTTTCCT 4

RESULT 91
US-08-712-357-8/c
; Sequence 8, Application US/08712357
; Patent No. 5808037
; GENERAL INFORMATION:
; APPLICANT: Guntaka, Ramareddy V.
; APPLICANT: Weber, Karl T.
; APPLICANT: Kovacs, Attila
; APPLICANT: Kandala, Jagannadhachari
; TITLE OF INVENTION: OLIGOMERS WHICH INHIBIT
; TITLE OF INVENTION: EXPRESSION OF COLLAGEN GENES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hovey, Williams, Timmons & Collins
; STREET: 2405 Grand Boulevard, Suite 400
; CITY: Kansas City
; STATE: Missouri
; COUNTRY: U.S.A.
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/712,357
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1743 CTCCTCCCTTTCCT 1756
        |||||
Db      17 CTCCTCCCTTTCCT 4

RESULT 92
US-08-712-357-10/c
; Sequence 10, Application US/08712357
; Patent No. 5808037
; GENERAL INFORMATION:
; APPLICANT: Guntaka, Ramareddy V.
; APPLICANT: Weber, Karl T.
; APPLICANT: Kovacs, Attila
; APPLICANT: Kandala, Jagannadhachari
; TITLE OF INVENTION: OLIGOMERS WHICH INHIBIT
; TITLE OF INVENTION: EXPRESSION OF COLLAGEN GENES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hovey, Williams, Timmons & Collins
; STREET: 2405 Grand Boulevard, Suite 400
; CITY: Kansas City
; STATE: Missouri
; COUNTRY: U.S.A.
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/712,357
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
```

REGISTRATION NUMBER: 26262
TELECOMMUNICATION INFORMATION:
TELEPHONE: (816) 474-9050
TELEFAX: (816) 474-9057
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: YES
POSITION IN GENOME:
UNITS: bp
US-08-712-357-10

Query Match 8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTTCTCT 1756
Db 17 CTCCTCCCTTCTCT 4

RESULT 93

US-08-712-357-11/c
Sequence 11, Application US/08712357
Patent No. 5808037
GENERAL INFORMATION:
APPLICANT: Guntaka, Ramareddy V.
APPLICANT: Weber, Karl T.
APPLICANT: Kovacs, Attila
APPLICANT: Kandala, Jagannadhachari
TITLE OF INVENTION: OLIGOMERS WHICH INHIBIT
TITLE OF INVENTION: EXPRESSION OF COLLAGEN GENES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hovey, Williams, Timmons & Collins
STREET: 2405 Grand Boulevard, Suite 400
CITY: Kansas City
STATE: Missouri
COUNTRY: U.S.A.
ZIP: 64108

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/712,357
FILING DATE:
CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
NAME: Collins, John M.
REGISTRATION NUMBER: 26262
TELECOMMUNICATION INFORMATION:
TELEPHONE: (816) 474-9050
TELEFAX: (816) 474-9057
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: YES
POSITION IN GENOME:
UNITS: bp

US-08-712-357-11

Query Match 8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTTCTCT 1756
Db 17 CTCCTCCCTTCTCT 4

RESULT 94

US-08-584-040-3040/c
Sequence 3040, Application US/08584040
Patent No. 6346398
GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995

ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 3040:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-584-040-3040

Query Match 8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGAA 1676
Db 16 GCCCACAGCTGGAA 3

RESULT 95

US-09-422-978-11223
Sequence 11223, Application US/09422978

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; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Il'ya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11223
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: downstream amplification primer 99-3479 for SEQ 3358, in compleme
US-09-422-978-11223

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1722 GAGATGGAGATTGG 1735
Db      |||||
        5 GAGATGGAGATAGG 18

RESULT 96
US-09-371-772B-1468/c
; Sequence 1468, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBHB00, 876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1468
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1468

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1663 GCTCAGCTGGAA 1676
Db      |||||
        16 GCCCAGCTGGAA 3

RESULT 97
5179198-15
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; Patent No. 5179198
; APPLICANT: OKADA, HIDECHIKA;OKADA, NORIKO;NAGAMI, YOICHI;
; TAKASHI, KAZUHIRO;TAKIZAWA, HISAO;KONDO, JUN
; TITLE OF INVENTION: GLYCOPROTEIN AND GENE CODING THEREFOR
; NUMBER OF SEQUENCES: 17
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/376,828
; FILING DATE: 07-JUL-1989
; SEQ ID NO:15
; LENGTH: 18
5179198-15

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1702 GAAGTTGGGTTAGG 1715
Db      |||||
        5 GCAGTTGGGTTAGG 18

RESULT 98
5521296-11
; Patent No. 5521296
; APPLICANT: OKADA, HIDECHIKA;OKADA, NORIKO;NAGAMI, YOICHI;
; TAKAHASHI, KAZUHIRO;TAKIZAWA, HISAO;KONDO, JUN
; TITLE OF INVENTION: GLYCOPROTEIN AND GENE CODING THEREFOR
; NUMBER OF SEQUENCES: 12
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/739,211
; FILING DATE: 01-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 376,828
; FILING DATE: 07-JUL-1989
; SEQ ID NO:11
; LENGTH: 18
5521296-11

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1702 GAAGTTGGGTTAGG 1715
Db      |||||
        5 GCAGTTGGGTTAGG 18

RESULT 99
US-08-070-517-1/c
; Sequence 1, Application US/08070517
; Patent No. 5538869
; GENERAL INFORMATION:
; APPLICANT: Michael J. Siciliano
; APPLICANT: Pu Liu
; TITLE OF INVENTION: In-Situ Hybridization Probes for
; TITLE OF INVENTION: Identification and Banding of
; TITLE OF INVENTION: Specific Human Chromosomes and
; TITLE OF INVENTION: Regions
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/070,517
```

1 FILING DATE: 19930601
1 CLASSIFICATION: 435
1 ATTORNEY/AGENT INFORMATION:
1 NAME: Barbara S. Kitchell
1 REGISTRATION NUMBER: 33,928
1 REFERENCE/DOCKET NUMBER: UTSC:290/KIT
1 TELECOMMUNICATION INFORMATION:
1 TELEPHONE: (512) 320-7200
1 TELEFAX: (512) 474-7577
1 INFORMATION FOR SEQ ID NO: 1:
1 SEQUENCE CHARACTERISTICS:
1 LENGTH: 19 base pairs
1 TYPE: nucleic acid
1 STRANDEDNESS: single
1 TOPOLOGY: linear
1 US-08-070-517-1

Query Match 8.9%; Score 12.4; DB 1; Length 19;
Best Local Similarity 72.2%; Pred. No. 1.2e+02;
Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTGGAACCC 1679
Db 18 GGCTCAAYCCTGTATCC 1

RESULT 100
US-08-118-441-1/c
1 Sequence 1, Application US/08118441
1 Patent No. 5578493
1 GENERAL INFORMATION:
1 APPLICANT: Gilliam, T. Conrad
1 APPLICANT: Tanzi, Rudolph E.
1 TITLE OF INVENTION: ISOLATION AND USES OF A WILSON'S DISEASE
1 TITLE OF INVENTION: GENE
1 NUMBER OF SEQUENCES: 29
1 CORRESPONDENCE ADDRESS:
1 ADDRESSEE: Cooper & Dunham
1 STREET: 30 Rockefeller Plaza
1 CITY: New York
1 STATE: New York
1 COUNTRY: United States of America
1 ZIP: 10112
1 COMPUTER READABLE FORM:
1 MEDIUM TYPE: Floppy disk
1 COMPUTER: IBM PC compatible
1 OPERATING SYSTEM: PC-DOS/MS-DOS
1 SOFTWARE: PatentIn Release #1.0, Version #1.25
1 CURRENT APPLICATION DATA:
1 APPLICATION NUMBER: US/08/118,441
1 FILING DATE:
1 CLASSIFICATION: 435
1 ATTORNEY/AGENT INFORMATION:
1 NAME: White, John P.
1 REGISTRATION NUMBER: 28,678
1 REFERENCE/DOCKET NUMBER: 0575/44011
1 TELECOMMUNICATION INFORMATION:
1 TELEPHONE: (212) 977-9550
1 TELEFAX: (212) 664-0525
1 TELEX: 422523 COOP UI
1 INFORMATION FOR SEQ ID NO: 1:
1 SEQUENCE CHARACTERISTICS:
1 LENGTH: 19 base pairs
1 TYPE: nucleic acid
1 STRANDEDNESS: single
1 TOPOLOGY: linear
1 MOLECULE TYPE: DNA (genomic)
1 HYPOTHETICAL: NO
1 US-08-118-441-1

Query Match 8.9%; Score 12.4; DB 1; Length 19;
Best Local Similarity 72.2%; Pred. No. 1.2e+02;
Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTGGAACCC 1679
Db 18 GGCTCAAYCCTGTATCC 1

RESULT 101
US-08-422-699A-13/c
1 Sequence 13, Application US/08422699A
1 Patent No. 5955265
1 GENERAL INFORMATION:
1 APPLICANT: Brook, J. David
1 APPLICANT: Housman, David E.
1 APPLICANT: Shaw, Duncan J.
1 APPLICANT: Harley, Helen G.
1 APPLICANT: Johnson, Keith J.
1 TITLE OF INVENTION: DNA SEQUENCE ENCODING THE MYOTONIC
1 TITLE OF INVENTION: DYSTROPHY GENE AND USES THEREOF
1 NUMBER OF SEQUENCES: 14
1 CORRESPONDENCE ADDRESS:
1 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
1 STREET: Two Militia Drive
1 CITY: Lexington
1 STATE: Massachusetts
1 COUNTRY: US
1 ZIP: 02713
1 COMPUTER READABLE FORM:
1 MEDIUM TYPE: Floppy disk
1 COMPUTER: IBM PC compatible
1 OPERATING SYSTEM: PC-DOS/MS-DOS
1 SOFTWARE: PatentIn Release #1.0, Version #1.30
1 CURRENT APPLICATION DATA:
1 APPLICATION NUMBER: US/08/422,699A
1 FILING DATE:
1 CLASSIFICATION:
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: 08/422,706
1 FILING DATE:
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: US 08/023,612
1 FILING DATE: 26-FEB-1993
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: US 07/839,255
1 FILING DATE: 20-FEB-1992
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: PCT/US93/01545
1 FILING DATE: 19-FEB-1993
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: PCT/GB93/00253
1 FILING DATE: 05-FEB-1993
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: GB9202485.0
1 FILING DATE: 06-FEB-1992
1 ATTORNEY/AGENT INFORMATION:
1 NAME: Granahan, Patricia
1 REGISTRATION NUMBER: 32,227
1 REFERENCE/DOCKET NUMBER: MIT-5830A2
1 TELECOMMUNICATION INFORMATION:
1 TELEPHONE: 617-861-6240
1 TELEFAX: 617-861-9540
1 INFORMATION FOR SEQ ID NO: 13:
1 SEQUENCE CHARACTERISTICS:
1 LENGTH: 19 base pairs
1 TYPE: nucleic acid
1 STRANDEDNESS: single
1 TOPOLOGY: linear
1 MOLECULE TYPE: DNA (genomic)
1 US-08-422-699A-13

Query Match 8.9%; Score 12.4; DB 1; Length 19;
Best Local Similarity 72.2%; Pred. No. 1.2e+02;
Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTGGAACCC 1679
 |||||::|||
 Db 18 GGCTCAVRCCTGTATCC 1

RESULT 102
 US-08-422-706B-13/c
 ; Sequence 13, Application US/08422706B
 ; Patent No. 5977333
 ; GENERAL INFORMATION:
 ; APPLICANT: Brook, J. David
 ; APPLICANT: Housman, David E.
 ; APPLICANT: Shaw, Duncan J.
 ; APPLICANT: Harley, Helen G.
 ; APPLICANT: Johnson, Keith J.
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING THE MYOTONIC
 ; TITLE OF INVENTION: DYSTROPHY GENE AND USES THEREOF
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: Massachusetts
 ; COUNTRY: US
 ; ZIP: 02713
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/422,706B
 ; FILING DATE: 14-APR-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/284,543
 ; FILING DATE: 08-AUG-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/023,612
 ; FILING DATE: 26-FEB-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/839,255
 ; FILING DATE: 20-FEB-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US93/01545
 ; FILING DATE: 19-FEB-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/GB93/00253
 ; FILING DATE: 05-FEB-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: GB9202485.0
 ; FILING DATE: 06-FEB-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Granahan, Patricia
 ; REGISTRATION NUMBER: 32,227
 ; REFERENCE/DOCKET NUMBER: MIT-583082
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617-861-6240
 ; TELEFAX: 617-861-9540
 ; INFORMATION FOR SEQ ID NO: 13:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 19 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-08-422-706B-13

Query Match 8.9%; Score 12.4; DB 1; Length 19;
 Best Local Similarity 72.2%; Pred. No. 1.2e+02;
 Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 QY 1662 GGCTCACAGCTGGAACCC 1679

Db 18 GGCTCAVRCCTGTATCC 1
 |||||::|||
 RESULT 103
 US-08-338-579A-1/c
 ; Sequence 1, Application US/08338579A
 ; Patent No. 6068975
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilliam, T. Conrad
 ; APPLICANT: Tanzi, Rudolph E.
 ; TITLE OF INVENTION: ISOLATION AND USES OF A WILSON'S
 ; TITLE OF INVENTION: DISEASE GENE
 ; NUMBER OF SEQUENCES: 107
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cooper & Dunham
 ; STREET: 1185 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: United States of America
 ; ZIP: 10036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/338,579A
 ; FILING DATE: June 17, 1996
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: White, John P.
 ; REGISTRATION NUMBER: 28,678
 ; REFERENCE/DOCKET NUMBER: 0575/44011-A-PCT-US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 278-0400
 ; TELEFAX: (212) 391-0525
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 19 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; HYPOTHETICAL: NO
 ; US-08-338-579A-1
 Query Match 8.9%; Score 12.4; DB 1; Length 19;
 Best Local Similarity 72.2%; Pred. No. 1.2e+02;
 Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 QY 1662 GGCTCACAGCTGGAACCC 1679
 |||||::|||
 Db 18 GGCTCAVRCCTGTATCC 1
 RESULT 104
 US-09-078-294-1/c
 ; Sequence 1, Application US/09078294
 ; Patent No. 6265211
 ; GENERAL INFORMATION:
 ; APPLICANT: Choo, Kong-Hong Andy
 ; APPLICANT: Du Sart, Desiree
 ; APPLICANT: Cancilla, Michael R.
 ; TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE
 ; FILE REFERENCE: Davies Col
 ; CURRENT APPLICATION NUMBER: US/09/078,294
 ; CURRENT FILING DATE: 1998-05-13
 ; NUMBER OF SEQ ID NOS: 29
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1
 ; LENGTH: 19

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; TYPE: DNA
; ORGANISM: DNA primer
US-09-078-294-1

Query Match      8.9%; Score 12.4; DB 1; Length 19;
Best Local Similarity 72.2%; Pred. No. 1.2e+02;
Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1662 GGCTCAGCTGGAACCC 1679
Db 18 GGCTCAIRCCCTGTATCC 1

RESULT 105
US-09-422-978-10908/c
; Sequence 10908, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET 020CP1
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/422,978
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-04-21
; EARLIER APPLICATION NUMBER: US 60/082,614
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10908
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..19
; OTHER INFORMATION: downstream amplification primer 99-21827 for SEQ 3043, in complete
US-09-422-978-10908

Query Match      8.9%; Score 12.4; DB 1; Length 19;
Best Local Similarity 92.9%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1631 GGATGGGCTTGTA 1644
Db 19 GGTGGGGCTTGTA 6

RESULT 106
PCT-US94-09851-1/c
; Sequence 1, Application PC/TUS9409851
; GENERAL INFORMATION:
; APPLICANT: Gilliam, T. Conrad
; APPLICANT: Tanzi, Rudolph E.
; TITLE OF INVENTION: ISOLATION AND USES OF A WILSON'S
; TITLE OF INVENTION: DISEASE GENE
; NUMBER OF SEQUENCES: 92
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: PCT/US94/09851
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/44011-PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
PCT-US94-09851-1

Query Match      8.9%; Score 12.4; DB 1; Length 19;
Best Local Similarity 72.2%; Pred. No. 1.2e+02;
Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1662 GGCTCAGCTGGAACCC 1679
Db 18 GGCTCAIRCCCTGTATCC 1

RESULT 107
US-08-373-124A-1709
; Sequence 1709, Application US/08373124A
; Patent No. 5646042
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
; NUMBER OF SEQUENCES: 2527
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/373,124A
; FILING DATE: January 13, 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 08/192,943
; FILING DATE: February 7, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; APPLICATION NUMBER: 07/936,422
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/035
```



```
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1709:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-373-124A-1709

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.1e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1665 TCACAGCTGGAACCTG 1681
Db      1 UCUCAGCUGAACUCUG 17

RESULT 108
US-08-435-628-1709
; Sequence 1709, Application US/08435628
; Patent No. 5817796
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
; TITLE OF INVENTION: CANCER USING RIBOZYMES
; NUMBER OF SEQUENCES: 2627
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,628
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/373,124
; FILING DATE: January 13, 1995
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 08/192,943
; FILING DATE: February 7, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; APPLICATION NUMBER: 07/936,422
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/035
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1709:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-292-492D-6

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.1e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1665 TCACAGCTGGAACCTG 1681
Db      1 UCUCAGCUGAACUCUG 17

RESULT 109
US-08-292-492D-6
; Sequence 6, Application US/08292492D
; Patent No. 6328971
; GENERAL INFORMATION:
; APPLICANT: van der Bruggen, Pierre; Szikora, Jean-
; Pierre; Coullie, Pierre; Wildman, Claude; Bol,
; Pascale;
; Boon-Palleur, Thierry
; TITLE OF INVENTION: METHOD FOR IDENTIFYING
; INDIVIDUALS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fulbright & Jaworski LLP
; STREET: 666 Fifth Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,492D
; FILING DATE: 18-Aug-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/195,186
; FILING DATE: 14-FEB-1994
; APPLICATION NUMBER: 08/008,446
; FILING DATE: 22-JANUARY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 6328971man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5361.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 318-3100
; TELEFAX: (212) 318-3400
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-08-292-492D-6

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1653 CAAGCACCAGGCTCACA 1669
Db      1 CAAGCCGACGACAGA 17
```

RESULT 110

US-09-633-994-6

; Sequence 6, Application US/09633994

; Patent No. 6680056

; GENERAL INFORMATION:

; APPLICANT: van der Bruggen, Pierre; Szikora, Jean-
; Pierre; Coulie, Pierre; Wildman, Claude; Bol,
; Pascale;

; Boon-Fallieur, Thierry

; TITLE OF INVENTION: METHOD FOR IDENTIFYING

; INDIVIDUALS

; SUFFERING FROM A CELLULAR ABNORMALITY SOME OF WHOSE

; ABNORMAL CELLS PRESENT COMPLEXES OF HLA-

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fulbright & Jaworski LLP

; STREET: 666 Fifth Avenue

; CITY: New York City

; STATE: New York

; COUNTRY: USA

; ZIP: 10103

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage

; COMPUTER: IBM PS/2

; OPERATING SYSTEM: PC-DOS

; SOFTWARE: Wordperfect

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/633,994

; FILING DATE: 08-Aug-2000

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/292,492

; FILING DATE: 18-Aug-1994

; APPLICATION NUMBER: 08/195,186

; FILING DATE: 14-FEB-1994

; APPLICATION NUMBER: 08/008,446

; FILING DATE: 22-JANUARY-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Hanson, No. 6680056man D.

; REGISTRATION NUMBER: 30,946

; REFERENCE/DOCKET NUMBER: LUD 5361.1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 318-3100

; TELEFAX: (212) 318-3400

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 17 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-633-994-6

Query Match

Best Local Similarity 8.8%; Score 12.2; DB 1; Length 17;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1653

CAAGCACCAGGCTCACA 1669

||||| ||||| |||||

1 CAAGCGCCAGGCACAGA 17

RESULT 111

US-09-866-108A-527

; Sequence 527, Application US/09866108A

; Patent No. 6686188

; GENERAL INFORMATION:

; APPLICANT: GU, Yizhong

; APPLICANT: JI, Yonggang

; APPLICANT: PENN, Sharon G.

; APPLICANT: HANZEL, David K.

; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-03-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: PCT/US01/006666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006685
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006688
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecmica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 527
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-527

Query Match

Best Local Similarity 8.8%; Score 12.2; DB 1; Length 17;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1644

AGCAGAGGCAAGCACC 1660

||||| ||||| |||||

1 AGCAGATGACAGCATC 17

RESULT 112

US-09-866-108A-528

; Sequence 528, Application US/09866108A

; Patent No. 6686188

; GENERAL INFORMATION:

; APPLICANT: GU, Yizhong

; APPLICANT: JI, Yonggang

; APPLICANT: PENN, Sharon G.

; APPLICANT: HANZEL, David K.

; APPLICANT: RANK, David R.

; APPLICANT: CHEN, Wensheng

; APPLICANT: SHANNON, Mark

; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

; FILE REFERENCE: AECOMICA-7

; CURRENT APPLICATION NUMBER: US/09/866,108A

; CURRENT FILING DATE: 2001-05-25

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-03-26

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-03-27

; PRIOR APPLICATION NUMBER: PCT/US01/006666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006664

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 528
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-528

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1645 GCAGAGGCAAGCACCA 1661
|||||
Db 1 GCAGATGACAAGCATCA 17

RESULT 113
US-09-866-108A-1264/c
; Sequence 1264, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1264
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-1264

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1729 AGATTGGCTCCCAACTC 1745
|||||
Db 17 AGATCGTCCCCCAACTC 1

RESULT 114
US-09-866-108A-7831
; Sequence 7831, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7831
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7831

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1661 AGGCTCACAGCTGAAC 1677
|||||
Db 1 AGCCTCACAGCTGAAGC 17

RESULT 115
US-09-866-108A-9658/c
; Sequence 9658, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.

APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AECOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aecmica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 9658
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-866-108A-9658

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1672 TGGACCCCTGGTGCTC 1688
Db 17 TGGACCCCTGGCCTC 1

RESULT 116
US-09-280-409-142/c
Sequence 142, Application US/09280409
Patent No. 6107092
GENERAL INFORMATION:
APPLICANT: Lex M. Cowsett
APPLICANT: C. Frank Bennett
APPLICANT: Bert W. O'Malley
TITLE OF INVENTION: ANTISENSE MODULATION OF SRA EXPRESSION
FILE REFERENCE: RTS-0048
CURRENT APPLICATION NUMBER: US/09/280,409
CURRENT FILING DATE: 1999-03-29
NUMBER OF SEQ ID NOS: 146
SEQ ID NO 142
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-280-409-142

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1658 ACCAGGCTCACAGTGG 1674

Db 17 ACCAGGCTTCCAGCAGG 1
RESULT 117
US-08-127-954-45/c
Sequence 45, Application US/08127954
Patent No. 5451512
GENERAL INFORMATION:
APPLICANT: Apple, Raymond J.
APPLICANT: Bugawan, Teodorica L.
APPLICANT: Erlich, Henry A.
TITLE OF INVENTION: Methods and Reagents for HLA Class I A
TITLE OF INVENTION: Locus DNA Typing
NUMBER OF SEQUENCES: 173
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hoffmann-La Roche Inc.
STREET: 340 Kingsland Street
CITY: Nutley
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07110-1199
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/127,954
FILING DATE:
CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:
NAME: Petry, Douglas A.
REGISTRATION NUMBER: 35,321
REFERENCE/DOCKET NUMBER: 8873
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 814-2974
TELEFAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-127-954-45

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1732 TTGGCTCCCAACTCTC 1748
Db 17 TAGGCTCTCAACTGTC 1

RESULT 118
US-07-923-260A-13
Sequence 13, Application US/07923260A
Patent No. 5719021
GENERAL INFORMATION:
APPLICANT: Inouye, Masayori
TITLE OF INVENTION: PROTEIN ACTIVATION
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gerard J. Weiser
STREET: 230 South Fifteenth Street, Suite 500
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19102
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

```
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/923,260A
/ FILING DATE: 31-JUL-1992
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Weiser, Gerard J.
/ REGISTRATION NUMBER: 19,763
/ REFERENCE/DOCKET NUMBER: 377,5638P
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 215-875-8383
/ TELEFAX: 215-875-8394
/ INFORMATION FOR SEQ ID NO: 13:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/
US-07-923-260A-13
Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1636 GGGCTTGTAGCAGAAG 1652
Db 2 GGGTTGTTTCAGAAG 18

RESULT 119
US-08-890-980-46/c
; Sequence 46, Application US/08890980
; Patent No. 5998141
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan L.
; TITLE OF INVENTION: SR-BI NUCLEIC ACIDS AND USES THEREFOR
; NUMBER OF SEQUENCES: 86
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,980
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: MIA-005.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "primer"
;
US-08-890-980-46
Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Best Local Similarity 82.4%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1682 GTGTCCTCTCCAGGCTG 1698
Db 17 GTCTCTCTCCGCGCTG 1

RESULT 120
US-08-890-979-46/c
; Sequence 46, Application US/08890979
; Patent No. 6030778
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan L.
; APPLICANT: Ordovas, Jose M.
; TITLE OF INVENTION: DIAGNOSTIC ASSAYS AND KITS FOR BODY MASS
; TITLE OF INVENTION: DISORDERS
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,979
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: MIA-005.02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "primer"
;
US-08-890-979-46
Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1682 GTGTCCTCTCCAGGCTG 1698
Db 17 GTCTCTCTCCGCGCTG 1

RESULT 121
US-09-032-894-46/c
; Sequence 46, Application US/09032894
; Patent No. 6130041
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan L.
; TITLE OF INVENTION: SR-BI NUCLEIC ACIDS AND USES THEREFOR
; FILE REFERENCE: MIA-005.03
; CURRENT APPLICATION NUMBER: US/09/032,894
; CURRENT FILING DATE: 1998-02-27
; EARLIER APPLICATION NUMBER: 08/890,980
; EARLIER FILING DATE: 1997-07-10
; NUMBER OF SEQ ID NOS: 121
```

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Human
US-09-032-894-46

Query Match      8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e-02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1682 GTGCTCTCTCCAGCGTG 1698
DB 17 GTCTCTCTCCGCGCTG 1

RESULT 122
US-08-894-736-10/c
; Sequence 10, Application US/08894736A
; Patent No. 6140492
; GENERAL INFORMATION:
; APPLICANT: MORELLI, Susanna
; APPLICANT: NICOLIN, Angelo
; APPLICANT: QUATTRONE, Alessandro
; TITLE OF INVENTION: ANTISENSE TRANSCRIPT EXPRESSED IN B LYMPHOCYTES AND
; TITLE OF INVENTION: SYNTHETIC OLIGONUCLEOTIDES USEFUL TO INHIBIT THE
; TITLE OF INVENTION: ACTIVITY THEREOF
; FILE REFERENCE: 10309-0002-0PCT
; CURRENT APPLICATION NUMBER: US/08/894,736A
; CURRENT FILING DATE: 1998-04-06
; EARLIER APPLICATION NUMBER: PCT/EP96/00853
; EARLIER FILING DATE: 1996-03-01
; EARLIER APPLICATION NUMBER: IT M195A000419
; EARLIER FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-894-736-10

Query Match      8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e-02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1644 AGCAGAGCGCAGCACC 1660
DB 17 AGCAGAGCGCAGCACC 1

RESULT 123
US-08-894-736-21
; Sequence 21, Application US/08894736A
; Patent No. 6140492
; GENERAL INFORMATION:
; APPLICANT: MORELLI, Susanna
; APPLICANT: NICOLIN, Angelo
; APPLICANT: QUATTRONE, Alessandro
; TITLE OF INVENTION: ANTISENSE TRANSCRIPT EXPRESSED IN B LYMPHOCYTES AND
; TITLE OF INVENTION: SYNTHETIC OLIGONUCLEOTIDES USEFUL TO INHIBIT THE
; TITLE OF INVENTION: ACTIVITY THEREOF
; FILE REFERENCE: 10309-0002-0PCT
; CURRENT APPLICATION NUMBER: US/08/894,736A
; CURRENT FILING DATE: 1998-04-06
; EARLIER APPLICATION NUMBER: PCT/EP96/00853
; EARLIER FILING DATE: 1996-03-01
; EARLIER APPLICATION NUMBER: IT M195A000419
; EARLIER FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-894-736-21

Query Match      8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e-02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1644 AGCAGAGCGCAGCACC 1660
DB 17 AGCAGAGCGCAGCACC 1

RESULT 124
US-09-050-159-111
; Sequence 111, Application US/09050159A
; Patent No. 6197505
; GENERAL INFORMATION:
; APPLICANT: No. 6197505berY, Leif T
; APPLICANT: Andersson, Maria K
; APPLICANT: Linstrom, Per J
; TITLE OF INVENTION: METHODS FOR ASSESSING CARDIOVASCULAR STATUS AND
; TITLE OF INVENTION: COMPOSITIONS FOR USE THEREOF
; FILE REFERENCE: 1248/ID042
; CURRENT APPLICATION NUMBER: US/09/050,159A
; CURRENT FILING DATE: 1998-03-27
; EARLIER APPLICATION NUMBER: 50/042,930
; EARLIER FILING DATE: 1987-04-03
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 111
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PCR PRIMER
US-09-050-159-111

Query Match      8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e-02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1738 CCCAAGCTCTCCCTATC 1754
DB 2 CCAAGCTCTCCCTATC 18

RESULT 125
US-09-031-626-46/c
; Sequence 46, Application US/09031626
; Patent No. 6228581
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan L.
; APPLICANT: Ordovas, Jose M.
; TITLE OF INVENTION: DIAGNOSTIC ASSAYS AND KITS FOR BODY MASS AND
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS
; FILE REFERENCE: MIA-005.04
; CURRENT APPLICATION NUMBER: US/09/031,626
; CURRENT FILING DATE: 1998-02-27
; EARLIER APPLICATION NUMBER: 08/890,979
; EARLIER FILING DATE: 1997-07-10
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Human
US-09-031-626-46

Query Match      8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e-02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```
QY 1682 GTCTCTCCTCCAGCGTG 1698
Db 17 GTCTCTCCTCCGCGCTG 1

RESULT 126
US-09-632-580A-49/c
; Sequence 49, Application US/09632580A
; Patent No. 6255111
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF HER-4 EXPRESSION
; FILE REFERENCE: RTS-0054
; CURRENT APPLICATION NUMBER: US/09/632,580A
; CURRENT FILING DATE: 2000-07-31
; NUMBER OF SEQ ID NOS: 93
; SEQ ID NO 49
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-632-580A-49

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1723 AGATGGAGATTGGCTCC 1739
Db 18 AGTTGGAATGGCTCC 2

RESULT 127
US-09-640-198D-20/c
; Sequence 20, Application US/09640198D
; Patent No. 6586411
; GENERAL INFORMATION:
; APPLICANT: Russell, Stephen
; APPLICANT: Kay Whye, Peng
; TITLE OF INVENTION: System for Monitoring the Location of
; FILE REFERENCE: Transgenes
; FILE REFERENCE: 07039-295001
; CURRENT APPLICATION NUMBER: US/09/640,198D
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 60/149,168
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-640-198D-20

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1717 GTACGGAGATGGAGATT 1733
Db 17 GTAGGCAGATGAAGATT 1

RESULT 128
US-09-639-667-16/c
; Sequence 16, Application US/09639667
; Patent No. 6632800
; GENERAL INFORMATION:
; APPLICANT: Russell, Stephen James
; APPLICANT: Peng, Kah Whye
; TITLE OF INVENTION: SYSTEM FOR MONITORING THE EXPRESSION OF
```

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; TITLE OF INVENTION: TRANSGENES
; FILE REFERENCE: 07039-292001
; CURRENT APPLICATION NUMBER: US/09/639,667
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/149,168
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: cleavage signal
US-09-639-667-16

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1717 GTACGGAGATGGAGATT 1733
Db 17 GTAGGCAGATGAAGATT 1

RESULT 129
US-09-586-376-5
; Sequence 5, Application US/09586376
; Patent No. 6492115
; GENERAL INFORMATION:
; APPLICANT: Guida, Marco
; APPLICANT: Hall, Jeff
; TITLE OF INVENTION: GENETIC TYPING OF THE HUMAN CYTOCHROME P450 2A6 GENE
; FILE REFERENCE: 4389-20
; CURRENT APPLICATION NUMBER: US/09/586,376
; CURRENT FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-586-376-5-5

Query Match 8.6%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1634 TGGGGCTTGTAG 1645
Db 1 TGGGGCTTGTAG 12

RESULT 130
US-08-937-580-9
; Sequence 9, Application US/08937580
; Patent No. 6013510
; GENERAL INFORMATION:
; APPLICANT: Harris, James M.
; APPLICANT: You, Qimin
; TITLE OF INVENTION: Identification of a DNA Region.
; TITLE OF INVENTION: Potentially Useful for the Detection of Mycobacterium
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Becton Dickinson and Company
; STREET: 1 Becton Drive
; CITY: Franklin Lakes
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07417-6800
; COMPUTER READABLE FORM:
```

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/937,580
; FILING DATE: 25-SEP-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Fugit, Donna R.
; REGISTRATION NUMBER: 32,135
; REFERENCE/DOCKET NUMBER: P-3690/5510-13
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-847-7166
; TELEFAX: 201-848-9228
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
US-08-937-580-9

Query Match      8.6%  Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGAT 1732
Db      4 GGAGATGGAGAT 15

RESULT 131
US-09-336-039-9
; Sequence 9, Application US/09336039
; Patent No. 6291176
; GENERAL INFORMATION:
; APPLICANT: Harris, James M.
; You, Qimin
TITLE OF INVENTION: Identification of a DNA Region
Potentially Useful for the Detection of Mycobacterium
kansasii

NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Becton Dickinson and Company
STREET: 1 Becton Drive
CITY: Franklin Lakes
STATE: New Jersey
COUNTRY: USA
ZIP: 07417-6800
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/336,039
FILING DATE: 18-Jun-1999
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/937,580
FILING DATE: 25-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Fugit, Donna R.
REGISTRATION NUMBER: 32,135
REFERENCE/DOCKET NUMBER: P-3690/5510-13
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-847-7166
TELEFAX: 201-848-9228
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
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```
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-336-039-9

Query Match      8.6%  Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGAT 1732
Db      4 GGAGATGGAGAT 15

RESULT 132
US-08-310-501-4/c
; Sequence 4, Application US/08310501
; Patent No. 5567687
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; APPLICANT: Iverson, Brent
; APPLICANT: Jansen, Petra I.
; APPLICANT: Wright, Meredith
; APPLICANT: Mody, Tarak D.
; APPLICANT: Hemmi, Gregory W.
TITLE OF INVENTION: Texaphyrins and Uses Thereof
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: US
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/310,501
FILING DATE: Concurrently herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/112,872
FILING DATE: 25-AUG-1993
APPLICATION NUMBER: PCT/US94/06284
FILING DATE: 09-JUN-1994
APPLICATION NUMBER: US 07/822,964
FILING DATE: 21-JAN-1992
APPLICATION NUMBER: US 08/227,370
FILING DATE: 14-APR-1994
APPLICATION NUMBER: US 08/075,123
FILING DATE: 09-JUN-1993
APPLICATION NUMBER: US 07/822,964
FILING DATE: 21-JAN-1992
APPLICATION NUMBER: US 07/771,393
FILING DATE: 30-SEP-1991
APPLICATION NUMBER: US 07/539,975
FILING DATE: 18-JUN-1990
APPLICATION NUMBER: PCT/US90/01208
FILING DATE: 06-MAR-1990
APPLICATION NUMBER: US 07/320,293
FILING DATE: 06-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David J.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: PHAY:034/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
```



```
;
;
; TELEX: n/a
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA (genomic)
US-08-310-501-4

Query Match      8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1659 CCAGGCTCACAGCTG 1673
Db      15 CCGGCTCACAGATG 1

RESULT 133
US-08-469-177-4/c
; Sequence 4, Application US/08469177
; Patent No. 5607924
; GENERAL INFORMATION:
; APPLICANT: MAGDA, Darren
; APPLICANT: SESSLER, Jonathan L.
; APPLICANT: IVERSON, Brent L.
; APPLICANT: SANSOM, Petra I.
; APPLICANT: WRIGHT, Meredith
; TITLE OF INVENTION: DNA PHOTOCLEAVAGE USING TEXAPHYRINS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacyclics, Inc.
; STREET: 995 East Arques Avenue
; CITY: Sunnyvale
; STATE: California
; COUNTRY: United States of America
; ZIP: 94086
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,177
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Jacqueline S.
; REGISTRATION NUMBER: 30,279
; REFERENCE/DOCKET NUMBER: PHAY:057
; TELEPHONE: (408) 774-3363
; TELEFAX: (408) 774-0340
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "RNA"
US-08-469-177-4

Query Match      8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1659 CCAGGCTCACAGCTG 1673
Db      15 CCGGCTCACAGATG 1

;
;
; TELEX: n/a
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA (genomic)
US-08-484-551-1/c

Query Match      8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1659 CCAGGCTCACAGCTG 1673
Db      15 CCGGCTCACAGATG 1

RESULT 134
US-08-484-551-1/c
; Sequence 1, Application US/08484551
; Patent No. 5714328
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; TITLE OF INVENTION: RNA PHOTOCLEAVAGE USING TEXAPHYRINS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,551
; FILING DATE: Concurrently herewith
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: PHAY:047/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (512) 747-7577
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-484-551-1

Query Match      8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1659 CCAGGCTCACAGCTG 1673
Db      15 CCGGCTCACAGATG 1

;
;
; TELEX: n/a
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA (genomic)
US-08-484-551-5/c

Query Match      8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1659 CCAGGCTCACAGCTG 1673
Db      15 CCGGCTCACAGATG 1

RESULT 135
US-08-484-551-5/c
; Sequence 5, Application US/08484551
; Patent No. 5714328
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; TITLE OF INVENTION: RNA PHOTOCLEAVAGE USING TEXAPHYRINS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
```

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,551
; FILING DATE: Concurrently herewith
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: PRAY:047/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (512) 747-7577
; TELEX: 79-0924
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "RNA"
US-08-484-551-5

Query Match      8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACAGCTG 1673
Db 15 CCGGCTCACAGATG 1

RESULT 137
US-08-913-833-5
; Sequence 5, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 154
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP97/00211
; FILING DATE: 17 Jan 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870005.4
; FILING DATE: 26 Jan 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-913-833-5

Query Match      8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1717 GTACGAGATGGAGA 1731
Db 1 GTACAGATGGAAA 15
```

```
RESULT 138
US-09-580-794C-5
; Sequence 5, Application US/09580794C
; Patent No. 6331389
; GENERAL INFORMATION:
; APPLICANT: Stuyver, Lieven
; APPLICANT: Louwagie, Joost
; APPLICANT: Rossau, Rudi
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
; TITLE OF INVENTION: TRANSCRIPTASE GENE
; FILE REFERENCE: INNS008-2
; CURRENT APPLICATION NUMBER: US/09/580,794C
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
; PRIOR FILING DATE: 1997-09-15
; PRIOR APPLICATION NUMBER: PCT/EP 97/00211
; PRIOR FILING DATE: 1997-01-17
; PRIOR APPLICATION NUMBER: EP 96870005.4
; PRIOR FILING DATE: 1996-01-26
; PRIOR APPLICATION NUMBER: EP 96870081.5
; PRIOR FILING DATE: 1996-06-25
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Primer
US-09-580-794C-5

Query Match      8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1717 GTACGGAGATGGAGA 1731
Db 1 GTACAGAGATGGAAA 15

RESULT 139
US-09-813-781-48/c
; Sequence 48, Application US/09813781
; Patent No. 6405989
; GENERAL INFORMATION:
; APPLICANT: WEIDANZ, JON A.
; APPLICANT: CARD, KIMBERLYN F.
; APPLICANT: WONG, HING C.
; TITLE OF INVENTION: FUSION PROTEINS COMPRISING BACTERIOPHAGE COAT PROTEIN
; TITLE OF INVENTION: AND A SINGLE-CHAIN T-CELL RECEPTOR
; FILE REFERENCE: 46745(1758)
; CURRENT APPLICATION NUMBER: US/09/813,781
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 130
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: oligonucleotide
US-09-813-781-48

Query Match      8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1656 GCACCGAGGCTCACAG 1670
Db 15 GAACCACTACAG 1
```

```
RESULT 140
US-08-486-962-14/c
; Sequence 14, Application US/08486962
; Patent No. 5763172
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; APPLICANT: Wright, Meredith
; APPLICANT: Ross, Kevin L.
; APPLICANT: Miller, Richard A.
; APPLICANT: Dow, William C.
; APPLICANT: Kral, Vladimir A.
; APPLICANT: Smith, Daniel A.
; TITLE OF INVENTION: METHOD OF PHOSPHATE ESTER HYDROLYSIS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmaclytics, Inc.
; STREET: 995 E. Arques Avenue
; CITY: Sunnyvale
; STATE: California
; COUNTRY: USA
; ZIP: 94086-4521
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,962
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Jacqueline S.
; REGISTRATION NUMBER: 30,279
; REFERENCE/DOCKET NUMBER: PHAY:053
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (408) 774-0330
; TELEFAX: (408) 774-0340
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-486-962-14

Query Match      8.5%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1655 AGCACCAGGCTCACA 1669
Db 15 AACACCCGGCTCACA 1

RESULT 141
US-08-975-522A-6/c
; Sequence 6, Application US/08975522A
; Patent No. 6022959
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Crofts, Shaun P.
; APPLICANT: Wright, Meredith
; TITLE OF INVENTION: NUCLEIC ACIDS INTERNALLY-
; TITLE OF INVENTION: DERIVATIZED WITH A TEXAPHYRIN
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmaclytics, Inc.
; STREET: 995 E. Arques Avenue
```

Query Match 8.5%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

CITY: Sunnyvale
STATE: California
COUNTRY: USA
ZIP: 94085

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/975.522A
FILING DATE: No. 6022959 September 20, 1997
CLASSIFICATION: 536
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 499-6200
TELEFAX: (512) 499-6290
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-975-522A-6

QY 1655 AGCACCAGGCTCAC 1669
Db 15 AACACCGGCTCAC 1

RESULT 142
US-08-432-871C-4
; Sequence 4, Application US/08432871C
; Patent No. 5877010
; GENERAL INFORMATION:
; APPLICANT: Loeb, Lawrence A.
; APPLICANT: Black, Margaret E.
; TITLE OF INVENTION: THYMIDINE KINASE MUTANTS
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/432.871C
FILING DATE: 02-MAY-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: McMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 240052.409C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
TELEX: 3723836

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-432-871C-4

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCGTGGT 1700
Db 1 CCCCTCCAGCGGCT 15

RESULT 143
US-08-985-162-338
; Sequence 338, Application US/08985162
; Patent No. 6057156
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1377
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/985.162
FILING DATE: 04 December 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 50/036.476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 230/107
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-3440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 338:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-985-162-338

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 60.0%; Pred. No. 1.4e+02;
Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1685 TCTCTCCAGCGTGG 1699
Db 3 UCUCUCCAUCCUGG 17

RESULT 144
US-08-584-040-1876
; Sequence 1876, Application US/08584040
; Patent No. 6346398

```
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1876:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-584-040-1876

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 1.4e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1745 CCTCCCTATCCTAAA 1759
||:|:|:|:|:|
Db 3 CCUCUUUACCGAAA 17

RESULT 145
US-08-584-040-1877
; Sequence 1877, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
```

```
; GENERAL INFORMATION:
; APPLICANT: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1877:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-584-040-1877

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 1.4e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1745 CCTCCCTATCCTAAA 1759
||:|:|:|:|:|
Db 2 CCUCUUUACCGAAA 16

RESULT 146
US-09-270-956-4
; Sequence 4, Application US/09270956
; Patent No. 6451571
; GENERAL INFORMATION:
; APPLICANT: Loeb, Lawrence A.
; APPLICANT: Black, Margaret E.
; TITLE OF INVENTION: THYMIDINE KINASE MUTANTS
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/270,956
; FILING DATE: 17-MAR-1999
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
```



```

; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-549

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 53.3%; Pred. No. 1.4e+02;
Matches 8; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1677 CCTCGGTGTCTCTC 1691
Db 2 CCCUGAUGUGUCCUC 16

RESULT 152
US-09-371-772B-421
; Sequence 421, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MEHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 421
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-421

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 1.4e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1745 CTCCTCTATCCTAAA 1759
Db 3 CCUCUUUACCGAAA 17

RESULT 153
US-09-371-772B-422
; Sequence 422, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MEHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 422
; LENGTH: 17
; TYPE: RNA

; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-549

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGG 1674
Db 17 CGGGCGCACAGCTGG 3

RESULT 151
US-09-474-432B-549
; Sequence 549, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
; FILE REFERENCE: MEHB00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 513
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-513

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGG 1674
Db 17 CGGGCGCACAGCTGG 3

RESULT 151
US-09-474-432B-549
; Sequence 549, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
; FILE REFERENCE: MEHB00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 549
; LENGTH: 17
; TYPE: RNA
```

```
; ORGANISM: Homo sapiens
US-09-371-772B-422

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 1.4e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1745 CCTCCCTATCTTAA 1759
||:|:|:|:|
||:|:|:|:|
Db 2 CCUCCUAUCCGAA 16

RESULT 154
US-09-476-387-403/c
; Sequence 403, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
; CURRENT APPLICATION NUMBER: US/09/476,387
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 403
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-476-387-403

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGG 1674
||| | ||| ||| |||
Db 15 CGGGCCACAGCTGG 1

RESULT 155
US-09-476-387-503/c
; Sequence 503, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
; FILE REFERENCE: MBHB00-831-C (249/073)
; CURRENT APPLICATION NUMBER: US/09/476,387
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 403
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-476-387-403

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGG 1674
||| | ||| ||| |||
Db 15 CGGGCCACAGCTGG 1

RESULT 156
US-09-476-387-504/c
; Sequence 504, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
; FILE REFERENCE: MBHB00-831-C (249/073)
; CURRENT APPLICATION NUMBER: US/09/476,387
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 504
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-476-387-504

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGG 1674
||| | ||| ||| |||
Db 15 CAGTCACACAGCTGG 1

RESULT 157
US-09-476-387-512/c
; Sequence 512, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
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; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 503
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-476-387-503
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Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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```
QY 1660 CAGGCTCACAGCTGG 1674
||| | ||| ||| |||
Db 17 CAGTCACACAGCTGG 3
```

```
RESULT 156
US-09-476-387-504/c
; Sequence 504, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
; FILE REFERENCE: MBHB00-831-C (249/073)
; CURRENT APPLICATION NUMBER: US/09/476,387
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 504
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-476-387-504

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGG 1674
||| | ||| ||| |||
Db 15 CAGTCACACAGCTGG 1

RESULT 157
US-09-476-387-512/c
; Sequence 512, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
```



```
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: A60MICA-7
; CURRENT APPLICATION NUMBER: US 09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: A60MICA Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 525
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-525

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCAAGCA 1658
      ||||| |||||
Db 3 AGCAGATGACAAGCA 17

RESULT 161
US-09-866-108A-526
; Sequence 526, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: A60MICA-7
; CURRENT APPLICATION NUMBER: US 09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
```

```
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: A60MICA Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 526
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-526

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCAAGCA 1658
      ||||| |||||
Db 2 AGCAGATGACAAGCA 16

RESULT 162
US-09-866-108A-2351/c
; Sequence 2351, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: A60MICA-7
; CURRENT APPLICATION NUMBER: US 09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: A60MICA Sequence Listing Engine
; Patent No. 6686188
```

```
; SEQ ID NO 2351
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2351

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1632 GATGGGCTTGAGC 1646
   ||||| ||| |||||
Db 17 GATGGGCTTGAGC 3

RESULT 163
US-09-866-108A-2352/c
; Sequence 2352, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: Aeonica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2352
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2352

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1632 GATGGGCTTGAGC 1646
   ||||| ||| |||||
Db 16 GATGGGCTTGAGC 2

RESULT 164
US-09-866-108A-2353/c
; Sequence 2353, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: Aeonica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2352
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2353

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1632 GATGGGCTTGAGC 1646
   ||||| ||| |||||
Db 15 GATGGGCTTGAGC 1

RESULT 165
US-09-866-108A-7829
; Sequence 7829, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: Aeonica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2352
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2353
```

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; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/006666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7829
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7829

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
DB 3 AGCCTCACAGCTGAA 17

RESULT 166
US-09-866-108A-7830
; Sequence 7830, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/006666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7829
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7830
```

```
; Patent No. 6686188
; SEQ ID NO 7830
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7830

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
DB 2 AGCCTCACAGCTGAA 16

RESULT 167
US-08-204-697-1
; Sequence 1, Application US/08204697
; Patent No. 5648482
; GENERAL INFORMATION:
; APPLICANT: Meyer, Urs A
; TITLE OF INVENTION: DETECTION OF POOR METABOLIZERS OF DRUGS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.
; ZIP: 07110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/204,697
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/716,500
; FILING DATE: 17-JUN-1991
; APPLICATION NUMBER: EP 90810467.2
; FILING DATE: 22-JUN-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 91108867.2
; FILING DATE: 29-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Schlager, John J.
; REGISTRATION NUMBER: 20942
; REFERENCE/DOCKET NUMBER: RAN 4095/3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-235-3503
; TELEFAX: 201-235-3503
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-204-697-1

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1665 TCACAGCTGGAACCC 1679
DB 4 TCCCAGCTGGAATCC 18
```

RESULT 168
US-08-744-332-1
; Sequence 1, Application US/08744332
; Patent No. 5844108
; GENERAL INFORMATION:
; APPLICANT: Meyer, Urs A
; TITLE OF INVENTION: DETECTION OF POOR METABOLIZERS OF DRUGS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.
; ZIP: 07110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/744,332
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/716,500
; FILING DATE: 17-JUN-1991
; APPLICATION NUMBER: EP 90810467.2
; FILING DATE: 22-JUN-1990
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: EP 91108867.2
; FILING DATE: 29-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Schlager, John J.
; REGISTRATION NUMBER: 20942
; REFERENCE/DOCKET NUMBER: RAN 4095/3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-235-2863
; TELEFAX: 201-235-3500
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-744-332-1
Query Match 8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1665 TCACAGCTGGAACCC 1679
Db 4 TCCAGCTGGAATCC 18
RESULT 169
US-09-161-244-66
; Sequence 66, Application US/09161244
; Patent No. 6004814
; GENERAL INFORMATION:
; APPLICANT: Bennett, C. Frank
; APPLICANT: Cossett, Lex M.
; TITLE OF INVENTION: ANTISENSE MODULATION OF CD71 EXPRESSION
; FILE REFERENCE: RTS-0007
; CURRENT APPLICATION NUMBER: US/09/161,244
; CURRENT FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 91

; SEQ ID NO 66
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-161-244-66
Query Match 8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1676 ACCTGGTGTCTCT 1690
Db 3 AACCTGGTATCTCT 17
RESULT 170
US-09-025-701-3/c
; Sequence 3, Application US/09025701
; Patent No. 6262337
; GENERAL INFORMATION:
; APPLICANT: VON EULER, Gabriel
; APPLICANT: AASE, Karin
; APPLICANT: BETHSHOLTZ, Christer
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: PERNY, Milos
; APPLICANT: GEBRE-MEDHIN, Samuel
; APPLICANT: LI, Xuri
; TITLE OF INVENTION: TRANSGENIC ANIMAL WITH RECOMBINANT
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR B (VEGF-B) DNA AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/025,701
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 60/038,202
; FILING DATE: 18-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: EVANS, Joseph D
; REGISTRATION NUMBER: 26,269
; REFERENCE/DOCKET NUMBER: 1064/43342
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-8800
; TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-025-701-3
Query Match 8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1660 CAGGCTCACAGCTGG 1674

Db 17 CAGTCACACAGCTGG 3
|||||

RESULT 171

US-09-045-301-3
; Sequence 3, Application US/09045301A
; Patent No. 6265388

GENERAL INFORMATION:

; APPLICANT: Xu, Minzhen
; APPLICANT: Qiu, Gang
; APPLICANT: Humphreys, Robert
; TITLE OF INVENTION: CANCER CELL VACCINE
; FILE REFERENCE: U.S. Application 09/205,995, (CIP)
; CURRENT APPLICATION NUMBER: US/09/205,995
; CURRENT FILING DATE: 1998-12-04
; PRIOR APPLICATION NUMBER: 09/036,746
; PRIOR FILING DATE: 1998-03-09
; PRIOR APPLICATION NUMBER: 08/661,627
; PRIOR FILING DATE: 1996-06-11
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: antisense
; OTHER INFORMATION: phosphorothioate oligodeoxynucleotide

US-09-045-301-3

Query Match 8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATTGGC 1736
|||||

Db 4 GAGATGGTGTATGGC 18
|||||

RESULT 172

US-09-045-301-4/c
; Sequence 4, Application US/09045301A
; Patent No. 6265388

GENERAL INFORMATION:

; APPLICANT: Pett, Karen W.
; APPLICANT: Olson, Karen A.
; TITLE OF INVENTION: Antisense Inhibition of Angiogenin Expression
; FILE REFERENCE: 10498/05286
; CURRENT APPLICATION NUMBER: US/09/045,301A
; CURRENT FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/041182
; PRIOR FILING DATE: 1997-03-21
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: phosphorothioate oligodeoxynucleotide

US-09-045-301-4

Query Match 8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATTGGC 1736
|||||

Db 15 GAGATGGTGTATGGC 1
|||||

RESULT 173

US-09-205-995-10
; Sequence 10, Application US/09205995

; Patent No. 6368855
; GENERAL INFORMATION:
; APPLICANT: Xu, Minzhen
; APPLICANT: Qiu, Gang
; APPLICANT: Humphreys, Robert
; TITLE OF INVENTION: CANCER CELL VACCINE
; FILE REFERENCE: U.S. Application 09/205,995, (CIP)
; CURRENT APPLICATION NUMBER: US/09/205,995
; CURRENT FILING DATE: 1998-12-04
; PRIOR APPLICATION NUMBER: 09/036,746
; PRIOR FILING DATE: 1998-03-09
; PRIOR APPLICATION NUMBER: 08/661,627
; PRIOR FILING DATE: 1996-06-11
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: antisense
; OTHER INFORMATION: oligonucleotide corresponding to a specific region
; OTHER INFORMATION: of the mouse H gene.
US-09-205-995-10

Query Match 8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1656 GCACACAGCTCACAG 1670
|||||

Db 3 GCATCTGGCTCACAG 17
|||||

RESULT 174

US-09-422-978-6052/c
; Sequence 6052, Application US/09422978
; Patent No. 6537751

GENERAL INFORMATION:

; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.023CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6052
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-8626 for SEQ 2118,
US-09-422-978-6052

Query Match 8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTGG 1735
|||||

Db 18 GAAGTTGGAGATTGG 4
|||||

RESULT 175

```
US-09-747-391-20
; Sequence 20, Application US/09747391
; Patent No. 6670124
; GENERAL INFORMATION:
; APPLICANT: Chow, Robert
; APPLICANT: Tonai, Richard
; APPLICANT: StemCvte, Inc.
; TITLE OF INVENTION: High Throughput Methods of HLA Typing
; FILE REFERENCE: 020035-000210US
; CURRENT APPLICATION NUMBER: US/09/747,391
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/172,768
; PRIOR FILING DATE: 1999-12-20
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 20
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-747-391-20

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1653 CAAGCACCAGGCTCA 1667
Db 2 CAAGGCCAGGCACA 16

RESULT 176
US-09-548-797B-106/c
; Sequence 106, Application US/09548797B
; Patent No. 6683165
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES AND
; FILE REFERENCE: 2976-4039
; CURRENT APPLICATION NUMBER: US/09/548,797B
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 60/129,391
; PRIOR FILING DATE: 1999-04-13
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 106
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-548-797B-106

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1649 AAGCGAAGCACCAGG 1663
Db 17 ATGGGAAGCACCAGG 3

RESULT 177
US-08-544-381B-27/c
; Sequence 27, Application US/08544381B
; Patent No. 6027880
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles Garrett
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.

US-09-747-391-20
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, Macdonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes for
; TITLE OF INVENTION: Detecting Cystic Fibrosis
; NUMBER OF SEQUENCES: 250
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/544,381B
; FILING DATE: 10-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/510,521
; FILING DATE: 02-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/12305
; FILING DATE: 26-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/284,064
; FILING DATE: 02-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-004130US
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (oligonucleotide)
US-08-544-381B-27

Query Match      8.2%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 1e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1649 AAGCGAAGCACCACCA 1661
Db 13 AGGGCAAGCACCACCA 1

RESULT 178
US-08-778-794A-85/c
; Sequence 85, Application US/08778794A
; Patent No. 6309823
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles Garrett
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
```

APPLICANT: Morris, MacDonald S.
APPLICANT: Sheldon, Edward L.
TITLE OF INVENTION: Arrays of Nucleic Acid Probes
TITLE OF INVENTION: for Analyzing Biotransformation Genes
NUMBER OF SEQUENCES: 156
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/778,794A
FILING DATE: 03-JAN-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993
APPLICATION NUMBER: US 08/284,064
FILING DATE: 02-AUG-1994
APPLICATION NUMBER: WO PCT/US94/12305
FILING DATE: 26-OCT-1994
APPLICATION NUMBER: US 08/510,521
FILING DATE: 02-AUG-1995
APPLICATION NUMBER: US 08/544,381
FILING DATE: 10-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joe
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 018547-015700US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0200
TELEX:
INFORMATION FOR SEQ ID NO: 85:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-778-794A-85

Query Match 8.2%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 1e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1649 AAGGCAAGCACCA 1661
Db 13 AGGCAAGCACCA 1

RESULT 179
US-09-922-445-17/c
Sequence 17, Application US/09922445
Patent No. 6528268
GENERAL INFORMATION:
APPLICANT: Andersson, Maria K.
APPLICANT: Berglund, Lars G. T.
APPLICANT: Reneland, Rikard H.
APPLICANT: Adam, Gail I. R.
TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTION OF HEART FAILURE
FILE REFERENCE: GG126US
CURRENT APPLICATION NUMBER: US/09/922,445
CURRENT FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1

SEQ ID NO 17
LENGTH: 13
TYPE: DNA
ORGANISM: synthetic
US-09-922-445-17

Query Match 8.2%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 1e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1662 GGCTCAGCTGG 1674
Db 13 GGCTCAGCTGG 1

RESULT 180
US-09-922-445-27
Sequence 27, Application US/09922445
Patent No. 6528268
GENERAL INFORMATION:
APPLICANT: Andersson, Maria K.
APPLICANT: Berglund, Lars G. T.
APPLICANT: Reneland, Rikard H.
APPLICANT: Adam, Gail I. R.
TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTION OF HEART FAILURE
FILE REFERENCE: GG126US
CURRENT APPLICATION NUMBER: US/09/922,445
CURRENT FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1
SEQ ID NO 27
LENGTH: 13
TYPE: DNA
ORGANISM: synthetic
US-09-922-445-27

Query Match 8.2%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 1e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1662 GGCTCAGCTGG 1674
Db 1 GGCTCAGCTGG 13

RESULT 181
US-08-913-833-9
Sequence 9, Application US/08913833
Patent No. 6087093
GENERAL INFORMATION:
APPLICANT: STUYVER, LIEVEN
APPLICANT: LOUWAGIE, JOOST
APPLICANT: ROSSAU, RUDI
TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
NUMBER OF SEQUENCES: 164
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/913,833
FILING DATE: 15 Sep 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP97/00211


```
/ FILING DATE: 17 Jan 1997
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: EP 96870005.4
/ FILING DATE: 26 Jan 1996
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: EP 968700081.5
/ FILING DATE: 25 Jun 1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: KAMMERER, PATRICIA A.
/ REGISTRATION NUMBER: 29,775
/ REFERENCE/DOCKET NUMBER: INNS:008
/ INFORMATION FOR SEQ ID NO. 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 14 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ HYPOTHEICAL: NO
/ ANTI-SENSE: NO
/ US-08-913-833-9

Query Match      8.2%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1717 GTACGAGATGGA 1729
Db 1 GTACAGAGATGGA 13

RESULT 182
US-09-580-794C-9
/ Sequence 9, Application US/09580794C
/ Patent No. 6331389
/ GENERAL INFORMATION:
/ APPLICANT: Stuyver, Lieven
/ APPLICANT: Louwagie, Joost
/ APPLICANT: Rossau, Rudi
/ TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
/ FILE REFERENCE: INNS008-2
/ CURRENT APPLICATION NUMBER: US/09/580,794C
/ CURRENT FILING DATE: 2000-05-30
/ PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
/ PRIOR FILING DATE: 1997-09-15
/ PRIOR APPLICATION NUMBER: PCT/EP 97/00211
/ PRIOR FILING DATE: 1997-01-17
/ PRIOR APPLICATION NUMBER: EP 96870005.4
/ PRIOR FILING DATE: 1996-01-26
/ PRIOR APPLICATION NUMBER: EP 968700081.5
/ PRIOR FILING DATE: 1996-06-25
/ NUMBER OF SEQ ID NOS: 164
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 9
/ LENGTH: 14
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic Primer
/ US-09-580-794C-9

Query Match      8.2%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1717 GTACGAGATGGA 1729
Db 1 GTACAGAGATGGA 13

RESULT 183
US-08-111-076-17/c

Filing Date: 08/11/076
Patent No. 5470723
GENERAL INFORMATION:
APPLICANT: Walker, George T.
APPLICANT: Nadeau, James G.
APPLICANT: Nycz, Colleen M.
APPLICANT: Spears, Patricia A.
APPLICANT: Shank, Daryl S.
APPLICANT: Schram, James L.
APPLICANT: Jurgensen, Stewart R.
TITLE OF INVENTION: DETECTION OF MYCOBACTERIA BY MULTIPLEX
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Richard J. Rodrick, Becton Dickinson and
ADDRESS: Company
STREET: 1 Becton Drive
CITY: Franklin Lakes
STATE: NJ
COUNTRY: US
ZIP: 07417
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 08/111,076
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 073197
FILING DATE: 04-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 058648
FILING DATE: 05-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fugit, Donna R.
REGISTRATION NUMBER: 32,135
REFERENCE/DOCKET NUMBER: P-2894
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-847-7166
TELEFAX: 201-848-9228
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-111-076-17

Query Match      8.2%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1658 ACCAGGCTCACAG 1670
Db 14 ACCAGGCTCACAG 2

RESULT 184
US-08-398-305-17/c
/ Sequence 17, Application US/08398305
/ Patent No. 5561044
/ GENERAL INFORMATION:
/ APPLICANT: Walker, George T.
/ APPLICANT: Nadeau, James G.
/ APPLICANT: Nycz, Colleen M.
/ APPLICANT: Spears, Patricia A.
/ APPLICANT: Shank, Daryl S.
/ APPLICANT: Schram, James L.
/ APPLICANT: Jurgensen, Stewart R.
/ TITLE OF INVENTION: DETECTION OF MYCOBACTERIA BY MULTIPLEX
```

```
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Richard J. Rodrick, Becton Dickinson and
; ADDRESSEE: Company
; STREET: 1 Becton Drive
; CITY: Franklin Lakes
; STATE: NJ
; COUNTRY: US
; ZIP: 07417
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/398,305
; FILING DATE: 03-MAR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/111,076
; FILING DATE: 24-AUG-1993
; APPLICATION NUMBER: US 073197
; FILING DATE: 04-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 058648
; FILING DATE: 05-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Fugit, Donna R.
; REGISTRATION NUMBER: 32,135
; REFERENCE/DOCKET NUMBER: P-2894
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-847-7166
; TELEFAX: 201-848-9228
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-398-305-17
;
; Query Match 8.2%; Score 11.4; DB 1; Length 15;
; Best Local Similarity 92.3%; Pred. No. 1.3e+02;
; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
; QY 1658 ACCAGGCTCACAG 1670
; Db 14 ACCAGGCTCACAG 2
;
; RESULT 185
; US-08-182-968A-452
; Sequence 452, Application US/08182968A
; Patent No. 5610054
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; COUNTRY: California
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
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; OPERATING SYSTEM: IEM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/182,968A
; FILING DATE: 13-JANUARY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/882,888
; FILING DATE: 14-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 205/277
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 452:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-182-968A-452
;
; Query Match 8.2%; Score 11.4; DB 1; Length 15;
; Best Local Similarity 69.2%; Pred. No. 1.3e+02;
; Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
;
; QY 1686 CTCCTCCAGCGTG 1698
; Db 3 CUCCUCCACGUG 15
;
; RESULT 186
; US-08-705-225-17/c
; Sequence 17, Application US/08705225
; Patent No. 5736365
; GENERAL INFORMATION:
; APPLICANT: Walker, George T.
; APPLICANT: Nadeau, James G.
; APPLICANT: Nycz, Colleen M.
; APPLICANT: Spears, Patricia A.
; APPLICANT: Shank, Daryl S.
; APPLICANT: Schram, James L.
; APPLICANT: Jurgensen, Stewart R.
; TITLE OF INVENTION: DETECTION OF MYCOBACTERIA BY MULTIPLEX
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Richard J. Rodrick, Becton Dickinson and
; STREET: 1 Becton Drive
; CITY: Franklin Lakes
; STATE: NJ
; COUNTRY: US
; ZIP: 07417
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/705,225
; FILING DATE: 29-AUG-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/111,076
; FILING DATE: 24-AUG-1993
; APPLICATION NUMBER: US 073197
; FILING DATE: 04-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 058648
; FILING DATE: 05-MAY-1993
```

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; ATTORNEY/AGENT INFORMATION:
; NAME: Fugit, Doma R.
; REGISTRATION NUMBER: 32,135
; REFERENCE/DOCKET NUMBER: P-2894
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-847-7166
; TELEFAX: 201-848-9228
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-705-225-17
;
Query Match      8.2%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1658 ACCAGGCTCAG 1670
Db      14 ACCAGGCTCAG 2
      |||||
;
RESULT 187
US-08-513-841-16
; Sequence 16, Application US/08513841
; Patent No. 5753481
; GENERAL INFORMATION:
; APPLICANT: Niwa, Mineo
; APPLICANT: Saito, Yoshimasa
; APPLICANT: Ishii, Yoshinori
; APPLICANT: Yoshida, Masaru
; APPLICANT: Suzuki, Hiromi
; TITLE OF INVENTION: No. 5753481 L-sorbose Dehydrogenase and No. 5753481 L-sorbi
; TITLE OF INVENTION: Dehydrogenase Obtained from Gluconobacter oxydans T-100
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Obion, Spivak, McClelland, Maier & Neustadt, P.C.
; STREET: 1755 Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS-DOS Editor
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/513.841
; FILING DATE: 01-NOV-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: UK 9304700.9
; FILING DATE: 08-MAR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 241851/1993
; FILING DATE: 28-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: NORMAN F. OBLON
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 18-909-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; MOLECULE TYPE: other nucleic acid (synthetic DNA)
;
US-08-513-841-16
;
Query Match      8.2%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1724 GATGGAGATTGGC 1736
Db      2 GATGGAGATTGGC 14
      |||||
;
RESULT 188
US-08-696-834-17
; Sequence 17, Application US/08696834
; Patent No. 5834263
; GENERAL INFORMATION:
; APPLICANT: Niwa, Mineo
; APPLICANT: Saito, Yoshimasa
; APPLICANT: Ishii, Yoshinori
; APPLICANT: Yoshida, Masaru
; APPLICANT: Hayashi, Hiromi
; TITLE OF INVENTION: Method for Producing 2-Keto-L-Gulonic Acid
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Obion, Spivak, McClelland, Maier & Neustadt,
; ADDRESSEE: P.C.
; STREET: 1755 Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE:
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/696,834
; FILING DATE: 24-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 28612/1994
; FILING DATE: 25-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME:
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid (synthetic DNA)
;
US-08-696-834-17
;
Query Match      8.2%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1724 GATGGAGATTGGC 1736
Db      2 GATGGAGATTGGC 14
      |||||
;
RESULT 189
US-08-942-673-16
; Sequence 16, Application US/08942673
```

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; Patent No. 5861292
; GENERAL INFORMATION:
; APPLICANT: Niwa, Mineo
; APPLICANT: Saito, Yoshimasa
; APPLICANT: Ishii, Yoshinori
; APPLICANT: Yoshida, Masaru
; APPLICANT: Suzuki, Hiromi
; TITLE OF INVENTION: No. 5861292el L-sorbose Dehydrogenase and No. 5861292el
; TITLE OF INVENTION: L-sorbose Dehydrogenase Obtained from Gluconobacter
; TITLE OF INVENTION: oxydans T-100
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.
; STREET: 1755 Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS-DOS Editor
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/942,673
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/513,841
; FILING DATE: 01-NOV-1995
; APPLICATION NUMBER: UK 9304700.9
; FILING DATE: 08-MAR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 241851/1993
; FILING DATE: 28-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: NORMAN F. OBLON
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 18-909-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid (synthetic DNA)
; US-08-942-673-16

Query Match      8.2%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1724 GATGAGATTGGC 1736
Db 2 GATGAGATTGGC 14

RESULT 190
US-08-774-306A-452
; Sequence 452, Application US/08774306A
; Patent No. 5869253
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/064,156A
; FILING DATE: April 21, 1998
; PRIOR APPLICATION DATA:
; 
```

```
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/774,306A
; FILING DATE: December 26, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/182,968
; FILING DATE: January 13, 1994
; APPLICATION NUMBER: 07/882,888
; FILING DATE: May 14, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/227
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 452:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-774-306A-452

Query Match      8.2%; Score 11.4; DB 1; Length 15;
Best Local Similarity 69.2%; Pred. No. 1.3e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCGTG 1698
Db 3 CUCCUCCAACGUG 15

RESULT 191
US-09-064-156A-452
; Sequence 452, Application US/09064156A
; Patent No. 6132966
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 498
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/064,156A
; FILING DATE: April 21, 1998
; PRIOR APPLICATION DATA:
; 
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; APPLICATION NUMBER: 08/774,306
; FILING DATE: December 26, 1996
; APPLICATION NUMBER: 08/182,968
; FILING DATE: January 13, 1994
; APPLICATION NUMBER: 07/882,888
; FILING DATE: May 14, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 234/083
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 452:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-064-156A-452

Query Match 8.2%; Score 11.4; DB 1; Length 15;
Best Local Similarity 69.2%; Pred. No. 1.3e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1686 CTCTCCAGCTG 1698
Db 3 CUCCUCCAAACG 15

RESULT 192

US-09-118-317-16
; Sequence 16, Application US/09118317
; Patent No. 6197562
; GENERAL INFORMATION:
; APPLICANT: Niwa, Mineo
; APPLICANT: Saito, Yoshimasa
; APPLICANT: Ishii, Yoshinori
; APPLICANT: Yoshida, Masaru
; APPLICANT: Suzuki, Hiroki
; TITLE OF INVENTION: No. 6197562el L-sorbose Dehydrogenase and No. 6197562el
; TITLE OF INVENTION: L-sorbose Dehydrogenase Obtained from Gluconobacter
; TITLE OF INVENTION: oxydans 1-100
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Oblon, Spivak, McCrelland, Maier & Neustadt, P.C.
; STREET: 1755 Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS-DOS Editor
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/118,317
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/513,841
; FILING DATE: 01-NOV-1995
; APPLICATION NUMBER: UK 9304700.9
; FILING DATE: 08-MAR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 241851/1993
; FILING DATE: 28-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: NORMAN F. OBLON
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 18-909-0 PCT

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid (synthetic DNA)
; US-09-118-317-16

Query Match 8.2%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1724 GATGGAGATTGGC 1736
Db 2 GATGGAGATTGGC 14

RESULT 193

US-07-696-793A-18/c
; Sequence 18, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-696-793A-18

Query Match 8.2%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1699 CTGGAGTTGGGT 1711
|||||

Db 16 GTGGAAGCTGGGT 4

RESULT 194
US-07-977-694-18/c
; Sequence 18, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 18:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-07-977-694-18

Query Match 8.2%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1699 GTGGAAGCTGGGT 1711
|||||
Db 16 GTGGAAGCTGGGT 4

RESULT 195
US-08-303-004-32
; Sequence 32, Application US/08303004
; Patent No. 5556955
; GENERAL INFORMATION:
; APPLICANT: Vergnaud, Gilles
; TITLE OF INVENTION: Process for Detection of New Polymor-
; TITLE OF INVENTION: phic Loci in an ADN Sequence, Nucleotide Sequences Forming
; TITLE OF INVENTION: Hybridisation Probes and their Biological Applications
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Oliff & Berridge
; STREET: P.O. Box 19928
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: U.S.A

Query Match 8.2%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1699 GTGGAAGCTGGGT 1711
|||||
Db 16 GTGGAAGCTGGGT 4

RESULT 196
US-08-491-976-5/c
; Sequence 5, Application US/08491976
; Patent No. 5783416
; GENERAL INFORMATION:
; APPLICANT: Thim, Lars
; APPLICANT: NO. 5783416ris, Kjeld
; APPLICANT: NO. 5783416ris, Fanny
; APPLICANT: Bjorn, Soren E.
; APPLICANT: Christensen, Mogens
; APPLICANT: Nielsen, Per F.
; TITLE OF INVENTION: Human Spasmodytic Polypeptide in
; TITLE OF INVENTION: Glycosylated Form
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 57834160 No. 5783416disk of No. 5783416th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/491,976
; FILING DATE: 02-AUG-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3951.204-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-491-976-5

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1677 CCTGTGCTCTCC 1689
|||||
DB 14 CCTGTGCTCTCC 2

RESULT 197
US-08-985-162-299
Sequence 299, Application US/08985162
Patent No. 6057156
GENERAL INFORMATION:
APPLICANT: Akhtar, Saghir
APPLICANT: Fell, Patricia
APPLICANT: McSwiggen, James
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
NUMBER OF SEQUENCES: 1877
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Fast-SEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/985,162
FILING DATE: 04 December 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 230/107
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 299:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-985-162-299

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 1.7e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1729 AGATTGGCTCCCA 1741
||:||||:||||
DB 5 AUAUUGGCCUCCCA 17

RESULT 198
US-09-187-946-16/c
Sequence 16, Application US/09187946
Patent No. 6255467
GENERAL INFORMATION:
APPLICANT: Lindner, Luther E.
APPLICANT: Macphee, Kathleen
TITLE OF INVENTION: Human Blood Bacterium
FILE REFERENCE: D6026
CURRENT APPLICATION NUMBER: US/09/187,946
CURRENT FILING DATE: 1998-11-02
EARLIER APPLICATION NUMBER: US 60/064,472
EARLIER FILING DATE: 1997-11-06
NUMBER OF SEQ ID NOS: 20
SEQ ID NO 16
LENGTH: 17
TYPE: DNA
ORGANISM: artificial sequence
FEATURE:
NAME/KEY: primer bind
OTHER INFORMATION: primer specific for intergenic spacer region (IGS)
OTHER INFORMATION: sequence of a new human blood bacterium
US-09-187-946-16

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1698 GGTGAAGTGTGG 1710
|||||
DB 16 GGTGAAGTGTGG 4

RESULT 199
US-09-564-805-88/c
Sequence 88, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 88
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-564-805-88

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1657 CACGAGGCTACA 1669
Db 17 CACGAGGCTGACA 5

RESULT 200
US-08-584-040-2852
Sequence 2852, Application US/08584040
Patent No. 6346398
GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2852:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-584-040-2852

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 1.7e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1725 ATGGAGATTGGCT 1737
Db 1 AUGGAUAUUGGCU 13

RESULT 202
US-08-679-645-53/c
Sequence 53, Application US/08679645
Patent No. 6350934
GENERAL INFORMATION:
APPLICANT: Zwick, Michael G.
APPLICANT: Edington, Brent B.
APPLICANT: McSwiggen, James A.
APPLICANT: Merlo, Patricia Ann Owens
APPLICANT: Guo, Lining
APPLICANT: Skokut, Thomas A.
APPLICANT: Young, Scott A.
APPLICANT: Folkerts, Otto
APPLICANT: Merlo, Donald J.
TITLE OF INVENTION: COMPOSITION AND METHODS FOR
TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
TITLE OF INVENTION: IN PLANTS
NUMBER OF SEQUENCES: 1263
CORRESPONDENCE ADDRESS:

ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/679,645
FILING DATE: July 12, 1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-679-645-53

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1636 GCGCTTGAGCAG 1648
| | | | | | | | | | | | | | | | | | | | | |
Db 16 GCGCTTGAGCAG 4

RESULT 203
US-09-474-432B-460
; Sequence 460, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
; FILE REFERENCE: MBHB00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526

; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 460
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-460

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 76.9%; Pred. No. 1.7e+02;
Matches 10; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1663 GCTCACAGCTGGA 1675
| | | | | | | | | | | | | | | | | | | | | |
Db 2 GCUCACUGCUGGA 14

RESULT 204

US-09-371-772B-1376
; Sequence 1376, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1376
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1376

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 1.7e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1725 ATGGAGATTGGCT 1737
| | | | | | | | | | | | | | | | | | | | | |
Db 3 AUGGAUAUUGGCU 15

RESULT 205

US-09-371-772B-1377
; Sequence 1377, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0

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; SEQ ID NO 1377
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1377

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 1.7e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1725 ATGGAGATTGGCT 1737
Db 1 AUGGAUAUUGGCU 13

RESULT 206
US-09-371-772B-4992/c
; Sequence 4992, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MEHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4992
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-4992

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAA 1676
Db 17 CCCACAGCTGGAA 5

RESULT 207
US-09-476-387-459
; Sequence 459, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zimen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
; FILE REFERENCE: MEHB00-831-C (249/073)
; CURRENT APPLICATION NUMBER: US/09/476,387
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04

; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 459
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-476-387-459

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 76.9%; Pred. No. 1.7e+02;
Matches 10; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GTCACAGCTGGA 1675
Db 2 GCUCACUGCUGGA 14

RESULT 208
US-09-401-063-299
; Sequence 299, Application US/09401063
; Patent No. 6623962
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saahir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/401,063
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/985,162
; FILING DATE: 04 December 1997
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 299:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-401-063-299
```

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 1.7e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1729 AGATTGGCTCCCA 1741
DB 5 AUAUUGGCCUCCA 17

RESULT 209
US-09-866-108A-7827
; Sequence 7827, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7827
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7827

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 1.7e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1729 AGATTGGCTCCCA 1741
DB 5 AUAUUGGCCUCCA 17

RESULT 210
US-09-866-108A-7828
; Sequence 7828, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7827
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7827

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
DB 5 AGCCTCAGCTG 17

RESULT 210
US-09-866-108A-7828
; Sequence 7828, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7827
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7827

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
DB 5 AGCCTCAGCTG 17

RESULT 210
US-09-866-108A-7828
; Sequence 7828, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7827
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7828

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
DB 4 AGCCTCAGCTG 16

RESULT 211
US-08-222-177A-434/c
; Sequence 434, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Demitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
DB 4 AGCCTCAGCTG 16

RESULT 211
US-08-222-177A-434/c
; Sequence 434, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Demitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
DB 4 AGCCTCAGCTG 16

RESULT 211
US-08-222-177A-434/c
; Sequence 434, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Demitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562

```

; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 434:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-222-177A-434

Query Match      8.2%; Score 11.4; DB 1; Length 20;
Best Local Similarity 92.3%; Pred. No. 2.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1735 GCTCCCACTCT 1747
Db 13 GCTCCTACTCT 1

RESULT 212
US-07-696-793A-7/c
; Sequence 7, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-07-696-793A-7

Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1669 AGCTGGAACCTGCTG 1684
Db 16 AGGTGGAAGCTTGCTG 1

RESULT 214
US-07-977-694-7/c
; Sequence 7, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-07-696-793A-7

Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1669 AGCTGGAACCTGCTG 1684
Db 16 AGGTGGAAGCTTGCTG 1

RESULT 214
US-07-977-694-7/c
; Sequence 7, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-07-696-793A-7

Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1669 AGCTGGAACCTGCTG 1684
Db 16 AGGTGGAAGCTTGCTG 1
```

ADDRESSEE: Hoffmann-La Roche Inc.
STREET: 340 Kingsland Street
CITY: Nutley
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07110-1199
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/977,694
FILING DATE: 19921117
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Stacey R. Sias, Ph.D.
REGISTRATION NUMBER: 32,630
REFERENCE/DOCKET NUMBER: 8733
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 814-2863
TELEFAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-07-977-694-7

Query Match 8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1670 GCTGGAACCTGGTGT 1685
DB 16 GGTGGAAGCTGGTGT 1

RESULT 215
US-07-977-694-9/c
Sequence 9, Application US/07977694
Patent No. 5273883
GENERAL INFORMATION:
APPLICANT: Saiki, Randall K.
APPLICANT: Nasarabadi, Shanavaz L.
TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
TITLE OF INVENTION: Typing
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hoffmann-La Roche Inc.
STREET: 340 Kingsland Street
CITY: Nutley
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07110-1199
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/977,694
FILING DATE: 19921117
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Stacey R. Sias, Ph.D.
REGISTRATION NUMBER: 32,630
REFERENCE/DOCKET NUMBER: 8733
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 814-2863
TELEFAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-07-977-694-9

Query Match 8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1669 AGCTGGAACCTGGTG 1684
DB 16 AGGTGGAAGCTGGTG 1

RESULT 216
US-08-872-917-11/c
Sequence 11, Application US/08872917
Patent No. 6096549
GENERAL INFORMATION:
APPLICANT: PELICIC, Vladimir
APPLICANT: REYRAT, Jean-Marc
APPLICANT: GICQUEL, Brigitte
TITLE OF INVENTION: METHOD OF SELECTION OF ALLELIC EXCHANGE MUTANTS
FILE REFERENCE: 03495.0148-01
CURRENT APPLICATION NUMBER: US/08/872,917
CURRENT FILING DATE: 1997-07-11
EARLIER APPLICATION NUMBER: 08/661,658
EARLIER FILING DATE: 1996-06-11
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 16
TYPE: DNA
ORGANISM: Mycobacterium sp.
US-08-872-917-11

Query Match 8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1754 CCTAAAGGCCCACTGG 1769
DB 16 CCTAATGGCCTAATGG 1

RESULT 217
US-09-371-772B-5657/c
Sequence 5657, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Favco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MEHB00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040

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; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5657
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5657

Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGACCCCTG 1681
Db 16 CACAGCAGGACCCCG 1

RESULT 218
US-09-371-772B-5658/c
; Sequence 5658, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5658
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5658

Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1663 GCTCAGCTGGACCC 1678
Db 16 GCGCAGCAGGACCC 1

RESULT 219
US-09-371-772B-5954/c
; Sequence 5954, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
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```
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5954
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5954

Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCAGAGCTGGA 1676
Db 16 AGGTCAGAGCTGGA 1

RESULT 220
US-09-479-005A-154/c
; Sequence 154, Application US/09479005A
; Patent No. 6656731
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
; FILE REFERENCE: MHB00-884-C
; CURRENT APPLICATION NUMBER: US/09/479,005A
; CURRENT FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US 09/444,209
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: US 09/159,274
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: US 60/059,473
; PRIOR FILING DATE: 1997-09-22
; NUMBER OF SEQ ID NOS: 1208
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 154
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-479-005A-154

Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1654 AAGCACCAGGCTCACA 1669
Db 16 AAGCTCAAGGTTTACA 1

RESULT 221
US-07-696-793A-2/c
; Sequence 2, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
```

US-07-696-793A-25/c
; Sequence 25, Application US/07696793A
; Patent No. 520004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shannavaz L.

```

; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-696-793A-25

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1672 TGGAAACCCCTGGTGCT 1687
Db      17 TGGAACTTGGTGCT 2

RESULT 225
US-07-696-793A-26/c
; Sequence 26, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-696-793A-26

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 82.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1672 TGGAAACCCCTGGTGCT 1687
Db      17 TGGAACTTGGTGCT 2

RESULT 226
US-07-696-793A-28
; Sequence 28, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-696-793A-28
```

```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-696-793A-26

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 82.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1672 TGGAAACCCCTGGTGCT 1687
Db      17 TGGAACTTGGTGCT 2

RESULT 226
US-07-696-793A-28
; Sequence 28, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
; US-07-696-793A-28
```


Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGGAAACCTGGTGCT 1687
DB 2 TGGAACTCTGGTGCT 17

RESULT 227
US-07-696-793A-29
; Sequence 29, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-07-696-793A-29

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1670 GCTGGAACCTGGTGCT 1685
DB 1 GGTGGAATCTGGTGCT 16

RESULT 228
US-07-977-694-2/c
; Sequence 2, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-07-977-694-2

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1670 GCTGGAACCTGGTGCT 1685
DB 17 GGTGGAAGCTTGCTGT 2

RESULT 229
US-07-977-694-3/c
; Sequence 3, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:

QY	1670	GCTGGAACCTGGTGT	1685
Db	17	GGTGAATCTTGGTGT	2
RESULT 231			
US-07-977-694-25/c			
; Sequence 25, Application US/07977694			
; Patent No. 5273883			
; GENERAL INFORMATION:			
; APPLICANT: Saiki, Randall K.			
; APPLICANT: Nasarabadi, Shanavaz L.			
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin			
; NUMBER OF SEQUENCES: 53			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Hoffmann-La Roche Inc.			
; STREET: 340 Kingsland Street			
; CITY: Nutley			
; STATE: New Jersey			
; COUNTRY: U.S.A.			
; ZIP: 07110-1199			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage			
; COMPUTER: Apple Macintosh			
; OPERATING SYSTEM: Macintosh 6.0.5			
; SOFTWARE: WordPerfect			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/07/977,694			
; FILING DATE: 19921117			
; CLASSIFICATION: 435			
; PRIOR APPLICATION DATA:			
; APPLICATION NUMBER:			
; FILING DATE:			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Stacey R. Sias, Ph.D.			
; REGISTRATION NUMBER: 32,630			
; REFERENCE/DOCKET NUMBER: 8733			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: (510) 814-2863			
; TELEFAX: (510) 814-2977			
; INFORMATION FOR SEQ ID NO: 25:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 17 base pairs			
; TYPE: NUCLEIC ACID			
; STRANDEDNESS: single stranded			
; TOPOLOGY: linear			
; MOLECULE TYPE: Other nucleic acid			
US-07-977-694-25			
Query Match 8.1%; Score 11.2; DB 1; Length 17;			
Best Local Similarity 81.2%; Pred. No. 1.9e+02;			
Matches 13; Conservative 0; Mismatches 3; Indels			
QY	1672	TGGAACCTGGTGTCT	1687
Db	17	TGGAACCTGGTGTGT	2
RESULT 230			
US-07-977-694-24/c			
; Sequence 24, Application US/07977694			
; Patent No. 5273883			
; GENERAL INFORMATION:			
; APPLICANT: Saiki, Randall K.			
; APPLICANT: Nasarabadi, Shanavaz L.			
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin			
; NUMBER OF SEQUENCES: 58			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Hoffmann-La Roche Inc.			
; STREET: 340 Kingsland Street			
; CITY: Nutley			
; STATE: New Jersey			
; COUNTRY: U.S.A.			
; ZIP: 07110-1199			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage			
; COMPUTER: Apple Macintosh			
; OPERATING SYSTEM: Macintosh 6.0.5			
; SOFTWARE: WordPerfect			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/07/977,694			
; FILING DATE: 19921117			
; CLASSIFICATION: 435			
; PRIOR APPLICATION DATA:			
; APPLICATION NUMBER:			
; FILING DATE:			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Stacey R. Sias, Ph.D.			
; REGISTRATION NUMBER: 32,630			
; REFERENCE/DOCKET NUMBER: 8733			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: (510) 814-2863			
; TELEFAX: (510) 814-2977			
; INFORMATION FOR SEQ ID NO: 24:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 17 base pairs			
; TYPE: NUCLEIC ACID			
; STRANDEDNESS: single stranded			
; TOPOLOGY: linear			
; MOLECULE TYPE: Other nucleic acid			
US-07-977-694-24			
Query Match 8.1%; Score 11.2; DB 1; Length 17;			
Best Local Similarity 81.2%; Pred. No. 1.9e+02;			
Matches 13; Conservative 0; Mismatches 3; Indels			

```
/ CITY: Nutley
/ STATE: New Jersey
/ COUNTRY: U.S.A.
/ ZIP: 07110-1199
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
/ COMPUTER: Apple Macintosh
/ OPERATING SYSTEM: Macintosh 6.0.5
/ SOFTWARE: WordPerfect
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/977,694
/ FILING DATE: 19921117
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Stacey R. Sias, Ph.D.
/ REGISTRATION NUMBER: 32,630
/ REFERENCE/DOCKET NUMBER: 8733
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (510) 814-2863
/ TELEFAX: (510) 814-2977
/ INFORMATION FOR SEQ ID NO: 26:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: NUCLEIC ACID
/ STRANDEDNESS: single stranded
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other nucleic acid
/ US-07-977-694-26

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGGAACCTGGTGCT 1687
Db 17 TGGAACTTGGTGCT 2

RESULT 233
US-07-977-694-28
/ Sequence 28, Application US/07977694
/ Patent No. 5273883
/ GENERAL INFORMATION:
/ APPLICANT: Saiki, Randall K.
/ APPLICANT: Nasarabadi, Shanavaz L.
/ TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
/ TITLE OF INVENTION: Typing
/ NUMBER OF SEQUENCES: 58
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Hoffmann-La Roche Inc.
/ STREET: 340 Kingsland Street
/ CITY: Nutley
/ STATE: New Jersey
/ COUNTRY: U.S.A.
/ ZIP: 07110-1199
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
/ COMPUTER: Apple Macintosh
/ OPERATING SYSTEM: Macintosh 6.0.5
/ SOFTWARE: WordPerfect
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/977,694
/ FILING DATE: 19921117
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Stacey R. Sias, Ph.D.
/ REGISTRATION NUMBER: 32,630
/ REFERENCE/DOCKET NUMBER: 8733
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (510) 814-2863
/ TELEFAX: (510) 814-2977
/ INFORMATION FOR SEQ ID NO: 29:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: NUCLEIC ACID
/ STRANDEDNESS: single stranded
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other nucleic acid
/ US-07-977-694-29

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGGAACCTGGTGCT 1687
Db 17 TGGAACTTGGTGCT 2
```

```
/ REFERENCE/DOCKET NUMBER: 8733
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (510) 814-2863
/ TELEFAX: (510) 814-2977
/ INFORMATION FOR SEQ ID NO: 28:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: NUCLEIC ACID
/ STRANDEDNESS: single stranded
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other nucleic acid
/ US-07-977-694-28

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGGAACCTGGTGCT 1687
Db 2 TGGAACTTGGTGCT 17

RESULT 234
US-07-977-694-29
/ Sequence 29, Application US/07977694
/ Patent No. 5273883
/ GENERAL INFORMATION:
/ APPLICANT: Saiki, Randall K.
/ APPLICANT: Nasarabadi, Shanavaz L.
/ TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
/ TITLE OF INVENTION: Typing
/ NUMBER OF SEQUENCES: 58
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Hoffmann-La Roche Inc.
/ STREET: 340 Kingsland Street
/ CITY: Nutley
/ STATE: New Jersey
/ COUNTRY: U.S.A.
/ ZIP: 07110-1199
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
/ COMPUTER: Apple Macintosh
/ OPERATING SYSTEM: Macintosh 6.0.5
/ SOFTWARE: WordPerfect
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/977,694
/ FILING DATE: 19921117
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Stacey R. Sias, Ph.D.
/ REGISTRATION NUMBER: 32,630
/ REFERENCE/DOCKET NUMBER: 8733
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (510) 814-2863
/ TELEFAX: (510) 814-2977
/ INFORMATION FOR SEQ ID NO: 29:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: NUCLEIC ACID
/ STRANDEDNESS: single stranded
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other nucleic acid
/ US-07-977-694-29

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1670 GCTGGAACCTGGTGT 1685
Db 17 TGGAACTTGGTGCT 2
```

Db 1 GGTGGAACTTGGTGT 16

RESULT 235

US-08-255-264-25

; Sequence 25, Application US/08255264

; Patent No. 5643724

; GENERAL INFORMATION:

; APPLICANT: Fildes, Nicola J.

; APPLICANT: Reynolds, Rebecca L.

; TITLE OF INVENTION: Methods and Reagents for Glycophorin A

; TITLE OF INVENTION: Typing

; NUMBER OF SEQUENCES: 33

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Hoffmann-La Roche Inc.

; STREET: 340 Kingsland Street

; CITY: Nutley

; STATE: New Jersey

; COUNTRY: U.S.A.

; ZIP: 07110

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/255,264

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Petry Ph.D., Douglas A.

; REGISTRATION NUMBER: 35,321

; REFERENCE/DOCKET NUMBER: 8865

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (510) 814-2974

; TELEFAX: (510) 814-2977

; INFORMATION FOR SEQ ID NO: 25:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 17 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-08-255-264-25

Query Match 8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 81.2%; Pred. No. 1.9e+02;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1670 GGTGGAACTTGGTGT 1685

Db 1 GGTGGAACTTGGTGT 16

RESULT 236

US-08-373-124A-1363/c

; Sequence 1363, Application US/08373124A

; Patent No. 5646042

; GENERAL INFORMATION:

; APPLICANT: Stinchcomb, Dan T.

; APPLICANT: Draper, Kenneth

; APPLICANT: McSwiggen, James

; APPLICANT: Jarvis, Thale

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR

; TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND

; TITLE OF INVENTION: CANCER USING RIBOZYMES

; NUMBER OF SEQUENCES: 2627

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; STREET: Suite 4700

; CITY: Los Angeles

; STATE: California

US-08-373-124A-1363

Query Match 8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 81.2%; Pred. No. 1.9e+02;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1715 GAGTACGGAGATGGAG 1730

Db 16 GAGAGCTGAGATGGAG 1

US-08-373-124A-1363

COUNTRY: U.S.A.

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/373,124A

FILING DATE: January 13, 1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/245,466

FILING DATE: May 18, 1994

APPLICATION NUMBER: 08/192,943

FILING DATE: February 7, 1994

APPLICATION NUMBER: 07/987,132

FILING DATE: December 7, 1992

APPLICATION NUMBER: 07/936,422

FILING DATE: August 26, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 209/035

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 1363:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-373-124A-1363

Query Match 8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 81.2%; Pred. No. 1.9e+02;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1715 GAGTACGGAGATGGAG 1730

Db 16 GAGAGCTGAGATGGAG 1

US-08-373-124A-1363

RESULT 237

US-08-612-986-16

; Sequence 16, Application US/08612986

; Patent No. 5770384

; GENERAL INFORMATION:

; APPLICANT: Elliot J. Androphy

; APPLICANT: Dave E. Breiding

; TITLE OF INVENTION: E2 BINDING PROTEINS

; NUMBER OF SEQUENCES: 19

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lahive & Cockfield

; STREET: 60 State Street, suite 510

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02109-1875

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/612,986

; FILING DATE:

; CLASSIFICATION: 800

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/361,806

; FILING DATE: 22 DEC 1994

CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Paul L.
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: NEP-004DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-08-612-986-16

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1691 CCAGCGTGGTGAAGT 1706
|||||

Db 1 CCAGCGTGGTAGAGT 16

RESULT 238
US-08-361-806A-16
Sequence 16, Application US/08361806A
Patent No. 5792833
GENERAL INFORMATION:
APPLICANT: Elliot J. Androphy
APPLICANT: Dave E. Breiding
TITLE OF INVENTION: E2 BINDING PROTEINS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lahive & Cockfield
STREET: 60 State Street, suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/361,806A
FILING DATE: 22 DEC 1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Paul L.
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: NEP-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-08-361-806A-16

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1691 CCAGCGTGGTGAAGT 1706
|||||

Db 1 CCAGCGTGGTAGAGT 16

RESULT 239
US-08-435-628-1363/c
Sequence 1363, Application US/08435628
Patent No. 5817796
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Draper, Kenneth
APPLICANT: McSwiggen, James
APPLICANT: Jarvis, Thale
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
TITLE OF INVENTION: CANCER USING RIBOZYMES
NUMBER OF SEQUENCES: 2627
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/435,628
FILING DATE: 05-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/373,124
FILING DATE: January 13, 1995
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 08/192,943
FILING DATE: February 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/936,422
FILING DATE: August 26, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/035
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1363:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-435-628-1363

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1715 GAGTACGGAGATGGAG 1730
|||||

Db 16 GAGAGCTGAGATGGAG 1

RESULT 240
US-08-292-620A-1670/c
Sequence 1670, Application US/08292620A

Patent No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
RELATED TO LEVELS OF
INTRACELLULAR ADHESION
MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1974:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-292-620A-1974
Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1704 AGTGGGTAGGAGTA 1719
Db 17 AGGTGGGTAGGAGTA 2
RESULT 242
US-08-985-162-300
Sequence 300, Application US/08985162
Patent No. 6057156
GENERAL INFORMATION:
APPLICANT: Akhtar, Saghir
APPLICANT: Fell, Patricia
APPLICANT: McSwiggen, James
TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT
OF DISEASES OR CONDITIONS RELATED
TO LEVELS OF EPIDERMAL GROWTH
FACTOR RECEPTORS
NUMBER OF SEQUENCES: 1877
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700

Patent No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
RELATED TO LEVELS OF
INTRACELLULAR ADHESION
MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1670:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-292-620A-1670
Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1704 AGTGGGTAGGAGTA 1719
Db 17 AGGTGGGTAGGAGTA 2
RESULT 241
US-08-292-620A-1974/c
Sequence 1974, Application US/08292620A
Patent No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper

two

two

```
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: FastSeq for Windows 2.0
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: 60/036,476
/ FILING DATE: 31 January 1997
/ CLASSIFICATION: 514
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/036,476
/ FILING DATE: 31 January 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 230/107
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/
/ INFORMATION FOR SEQ ID NO: 300:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/
/ US-08-985-162-300
/
/ Query Match      8.1%; Score 11.2; DB 1; Length 17;
/ Best Local Similarity 62.5%; Pred. No. 1.9e+02;
/ Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 1731 ATTGGCTCCCAACTCC 1746
/      |::|||::|||
/ Db 2 AUGGCCUCCAGUACC 17
/
/ RESULT 243
/ US-08-985-162-371/c
/ Sequence 371, Application US/08985162
/ Patent No. 6057156
/
/ GENERAL INFORMATION:
/ APPLICANT: Akhtar, Saghir
/ APPLICANT: Fell, Patricia
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
/ TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
/ TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
/ TITLE OF INVENTION: FACTOR RECEPTORS
/ NUMBER OF SEQUENCES: 1877
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ STREET: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: FastSeq for Windows 2.0
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/985,162
/ FILING DATE: 04 December 1997
/ CLASSIFICATION: 514
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/036,476
/ FILING DATE: 31 January 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 230/107
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/
/ INFORMATION FOR SEQ ID NO: 300:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/
/ US-08-985-162-300
/
/ Query Match      8.1%; Score 11.2; DB 1; Length 17;
/ Best Local Similarity 62.5%; Pred. No. 1.9e+02;
/ Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 1731 ATTGGCTCCCAACTCC 1746
/      |::|||::|||
/ Db 2 AUGGCCUCCAGUACC 17
/
/ RESULT 243
/ US-08-985-162-371/c
/ Sequence 371, Application US/08985162
/ Patent No. 6057156
/
/ GENERAL INFORMATION:
/ APPLICANT: Akhtar, Saghir
/ APPLICANT: Fell, Patricia
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
/ TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
/ TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
/ TITLE OF INVENTION: FACTOR RECEPTORS
/ NUMBER OF SEQUENCES: 1877
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ STREET: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: FastSeq for Windows 2.0
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/985,162
/ FILING DATE: 04 December 1997
/ CLASSIFICATION: 514
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/036,476
/ FILING DATE: 31 January 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 230/107
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/
/ INFORMATION FOR SEQ ID NO: 371:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/
/ US-08-985-162-371
/
/ Query Match      8.1%; Score 11.2; DB 1; Length 17;
/ Best Local Similarity 81.2%; Pred. No. 1.9e+02;
/ Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 1694 GCGTGGTGGAGTTGG 1709
/      |||||
/ Db 17 GCACGGTAGAGTTGG 2
/
/ RESULT 244
/ US-09-061-026-28/c
/ Sequence 28, Application US/09061026
/ Patent No. 6077934
/
/ GENERAL INFORMATION:
/ APPLICANT: Jacobsen, Richard
/ APPLICANT: Olivera, Baldomero M.
/ TITLE OF INVENTION: Contryphan Peptides
/ NUMBER OF SEQUENCES: 29
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
/ STREET: 755 Thirteenth Street N.W., Suite 701-E
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20004
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/061,026
/ FILING DATE:
/ CLASSIFICATION:
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/068,737
/ FILING DATE: 24-DEC-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ihnen, Jeffrey L.
/ REGISTRATION NUMBER: 28,957
/ REFERENCE/DOCKET NUMBER: 2314-133
/ TELEPHONE: 202-783-6031
/ TELEFAX: 202-783-6040
/
/ INFORMATION FOR SEQ ID NO: 28:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "oligomer for colony
/ DESCRIPTION: hybridization"
/
/ US-09-061-026-28
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Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 76.9%; Pred. No. 1.9e+02;
Matches 10; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1673 GGAACCTGGTGT 1685
Db 15 GGARCCNTGGTGY 3

RESULT 245
US-08-827-036A-12
; Sequence 12, Application US/08827036A
; Patent No. 6080727
; GENERAL INFORMATION:
; APPLICANT: Gabriella Zupi
; TITLE OF INVENTION: Oligonucleotide Treatments and
; TITLE OF INVENTION: Compositions for Human Melanoma
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James A. Bradburne, Ph.D.
; STREET: 5 Palo Alto Square,
; STREET: 3000 El Camino Real
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Windows 3.1/DOS 5.0
; SOFTWARE: Microsoft Word for Windows, vers. 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,036A
; FILING DATE: 03/25/97
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/014,089
; FILING DATE: 26-MAR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: James A. Bradburne, Ph.D.
; REGISTRATION NUMBER: 38,389
; REFERENCE/DOCKET NUMBER: LYNN-031/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 843-5095
; TELEFAX: (650) 857-0663
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-827-036A-12

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1731 ATTGGCTCCCACTCC 1746
Db 2 ATTGTTTCCCACTCC 17

RESULT 246
US-09-071-845-1670/c
; Sequence 1670, Application US/09071845
; Patent No. 6132967
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1704 AGTTGGTTAGGAGTA 1719
Db 17 AGTGGGTGAGGGGTA 2

RESULT 247
US-09-071-845-1974/c
; Sequence 1974, Application US/09071845
; Patent No. 6132967
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1974:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-071-845-1974

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1704 AGTGGGTTAGGAGTA 1719
Db 17 AGGTGGGTGAGGGGTA 2

RESULT 248
US-09-466-138-28/c
Sequence 28, Application US/09466138
Patent No. 6153738
GENERAL INFORMATION:
APPLICANT: Jacobsen, Richard
APPLICANT: Olivera, Baldomero M.
TITLE OF INVENTION: Contryphan Peptides
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
STREET: 755 Thirteenth Street N.W., Suite 701-E
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/466,138
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/061,026
FILING DATE:
APPLICATION NUMBER: US 60/068,737
FILING DATE: 24-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 2314-133
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-783-6040
TELEFAX: 202-783-6031
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Oligomer for colony
DESCRIPTION: hybridization"
US-09-466-138-28

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 76.9%; Pred. No. 1.9e+02;
Matches 10; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1673 GGAACCCCTGGTGT 1685
Db 15 GGACCCNTGGTGY 3

RESULT 249
US-09-215-221-7/c
Sequence 7, Application US/09215221
Patent No. 6265562
GENERAL INFORMATION:
APPLICANT: EILERS, MARTIN
APPLICANT: BUEGIN, ANDREA
APPLICANT: SEDLACEK, HANS-HARALD
TITLE OF INVENTION: NUCLEIC ACID CONSTRUCTS WHOSE ACTIVITY IS AFFECTED BY
TITLE OF INVENTION: INHIBITORS OF CYCLIN-DEPENDANT KINASES AND USES THEREOF
FILE REFERENCE: 026083/0192
CURRENT APPLICATION NUMBER: US/09/215,221
CURRENT FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: 197 56 975.7
PRIOR FILING DATE: 1997-12-20
NUMBER OF SEQ ID NOS: 57
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Oligonucleotide
US-09-215-221-7

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCCTCC 1749
Db 17 GCCTCCCAACACTGC 2

RESULT 250
US-08-424-991B-10
Sequence 10, Application US/08424991B
Patent No. 6323184
GENERAL INFORMATION:

APPLICANT: Yi Shi and Andrew Zalewski
TITLE OF INVENTION: Arteriovenous and Venous Graft
NUMBER OF INVENTIONS: 11
TREATMENTS: Methods and Compositions
CORRESPONDENCE ADDRESS:
ADDRESSEE: John D. Mendlein, Ph.D.
STREET: Five Palo Alto Square
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 3.1/DOS 5.0
SOFTWARE: Microsoft Word for Windows, vers.
SOFTWARE: 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/424,991B
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT Application US94/11853
FILING DATE: October 17, 1994
ATTORNEY/AGENT INFORMATION:
NAME: John D. Mendlein, Ph.D.
REGISTRATION NUMBER: 38,770
REFERENCE/DOCKET NUMBER: LYNX-014/02US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 843-5020
TELEFAX: (415) 857-0663
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-424-991B-10

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1731 ATTGGCTCCCAACTCC 1746
|||||
Db 2 ATTGTTTCCCACTCC 17

RESULT 251
US-08-584-040-1477/c
Sequence 1477, Application US/08584040
Patent No. 6346398
GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TREATMENT OF DISEASES OR
CONDITIONS RELATED TO LEVELS
OF VASCULAR ENDOTHELIAL
GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1477:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-584-040-1477

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACTCCG 1681
|||||
Db 17 CACAGCAGGACCCCG 2

RESULT 252
US-08-584-040-2237/c
Sequence 2237, Application US/08584040
Patent No. 6346398
GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TREATMENT OF DISEASES OR
CONDITIONS RELATED TO LEVELS
OF VASCULAR ENDOTHELIAL
GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:

```
/ NAME: Warburg, Richard J.
/ REFERENCE/DOCKET NUMBER: 32,327
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 2237:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/
US-08-584-040-2237

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGAA 1676
Db 16 AGGTCACAGCTGGGA 1

RESULT 253
US-08-584-040-5698/c
; Sequence 5698, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584.040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 5698:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-584-040-5698

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAAACCTG 1681
Db 17 CCAGCAGAAACCTG 2

RESULT 254
US-08-584-040-6055/c
; Sequence 6055, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584.040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 6055:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-584-040-6055

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAAACCTG 1681
Db 17 CCAGCAGAAACCTG 2
```


ATTORNEY/AGENT INFORMATION:
NAME: SANDERCOCK, Colin G.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 026083/0180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-025-343-3

Query Match
Best Local Similarity 8.1%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCTCC 1749
DB 17 GGCTCCCAACTCTCC 2

RESULT 258
US-09-025-343-3/c
Sequence 3, Application US/09025343
Patent No. 6380170
GENERAL INFORMATION:
APPLICANT: MUELLER, Rolf
LIU, Ningshu
ZWICKER, Joerk
SEDLACEK, Hans-Harald
TITLE OF INVENTION: NUCLEIC ACID CONSTRUCT FOR THE CELL
CYCLE REGULATED EXPRESSION OF STRUCTURAL GENES
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/025,343
FILING DATE: 18-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 97 102 547.3
FILING DATE: 18-FEB-1997

ATTORNEY/AGENT INFORMATION:
NAME: SANDERCOCK, Colin G.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 026083/0180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-025-343-3

Query Match
Best Local Similarity 8.1%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCTCC 1749
DB 17 GGCTCCCAACTCTCC 2

RESULT 259
US-09-474-432B-580
Sequence 580, Application US/09474432B
Patent No. 6528640
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleoti
FILE REFERENCE: MSHB00-831-B (247/276)
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR APPLICATION NUMBER: US 60/084,727
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: PatentIn version 3.0
SEQ ID NO 580
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-474-432B-580

Query Match
Best Local Similarity 8.1%; Score 11.2; DB 1; Length 17;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCTGTGGTGTCTCTCC 1692
DB 1 CGUGGGGGCCUCC 16

RESULT 260
US-09-371-772B-22/c
Sequence 22, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Receptor
FILE REFERENCE: MBH00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 08/584,040
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 22
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-371-772B-22

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
DB 17 CACAGCAGGAGCCCGG 2

RESULT 261
US-09-371-772B-782/c
Sequence 782, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Receptor
FILE REFERENCE: MBH00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 08/584,040
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 782
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-371-772B-782

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCAGAGTGGAA 1676
DB 16 AGGCTCAGAGTGGGA 1

RESULT 262
US-09-371-772B-2582/c
Sequence 2582, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Receptor
FILE REFERENCE: MBH00,875-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 08/584,040
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2582
LENGTH: 17
TYPE: RNA
ORGANISM: Mus sp.
US-09-371-772B-2582

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1642 GTAGCAGAGGCAAGC 1657
DB 16 GCATCATAGGCAAGC 1

RESULT 263
US-09-371-772B-2892/c
Sequence 2892, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Receptor
FILE REFERENCE: MBH00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 08/584,040
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2892
LENGTH: 17
TYPE: RNA
ORGANISM: Mus sp.
US-09-371-772B-2892

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
DB 17 CCCAGCAGAAACCCCTG 2

RESULT 264
US-09-371-772B-2893/c
Sequence 2893, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam

```
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2893
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-2893

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAAACCCCTG 1681
Db 16 CCCAGCAGAAACCCCTG 1

RESULT 265
US-09-371-772B-2911
; Sequence 2911, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2911
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-2911

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 1.9e+03;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1738 CCCAACTCCTCCCTAT 1753
Db 2 CCCAGUCCUCAGU 17

RESULT 266
US-09-371-772B-4204/c
; Sequence 4204, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
```

```
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4204
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-4204

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAAACCCCTG 1681
Db 16 CACAGCAGGACCCCG 1

RESULT 267
US-09-371-772B-4205/c
; Sequence 4205, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4205
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-4205

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAAACCC 1679
Db 17 CGCACAGCAGGACCC 2

RESULT 268
US-09-371-772B-5053/c
; Sequence 5053, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
```

APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5053
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5053

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1654 AAGCACCAGGCTCACA 1669
Db 17 AAGCAGCTGGCTCCCA 2

RESULT 269
US-09-371-772B-5054/c
; Sequence 5054, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5054
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5054

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1654 AAGCACCAGGCTCACA 1669
Db 16 AAGCAGCTGGCTCCCA 1

RESULT 270
US-09-371-772B-5167/c
; Sequence 5167, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5167
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5167

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCAGAGCTGGGA 1676
Db 17 AGGTCAGAGCTGGGA 2

RESULT 271
US-09-476-387-579
; Sequence 579, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
; FILE REFERENCE: MBH00-831-C (249/073)
; CURRENT APPLICATION NUMBER: US/09/476,387
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 579
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-476-387-579

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.9e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCTGGTGCTCTCC 1692
Db 1 CGCUGGGGCUCCUCC 16

RESULT 272
US-09-401-063-300
; Sequence 300, Application US/09401063
; Patent No. 6623962


```

;
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/401,063
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/985,162
; FILING DATE: 04 December 1997
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 300:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-401-063-300

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.9e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1731 ATTGGCTCCCACTCC 1746
      |||:|||||
Db 2 AATGGCUCCAGUACC 17

RESULT 273
US-09-401-063-371/c
; Sequence 371, Application US/09401063
; Patent No. 6623962
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/401,063
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/985,162
; FILING DATE: 04 December 1997
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 300:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-401-063-300
```

```

;
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/401,063
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/985,162
; FILING DATE: 04 December 1997
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 371:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-401-063-371

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1694 GCGTGGTGAAGTTGG 1709
      |||:|||||
Db 17 GCACGTAGAAGTTGG 2

RESULT 274
US-09-554-726A-24/c
; Sequence 24, Application US/09554726A
; Patent No. 664369
; GENERAL INFORMATION:
; APPLICANT: HERRMANN, Bernhard
; APPLICANT: KOSCHORZ, Birgit
; APPLICANT: KISPERT, Andreas
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATIONS
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 258.0009 0101
; CURRENT APPLICATION NUMBER: US/09/554,726A
; CURRENT FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
; US-09-554-726A-24
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Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 1.9e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1690 TCCAGCGTGTGGAG 1705
 DB 16 TCCAGCCAGGGGAAG 1

RESULT 275
 US-09-805-127-4/c
 ; Sequence 4, Application US/09805127
 ; Patent No. 6653119
 ; GENERAL INFORMATION:
 ; APPLICANT: BIO MEDIATION TECHNOLOGIE, INC.
 ; TITLE OF INVENTION: WHITE ROT FUNGI AND METHOD FOR DECOMPOSING DIOXINS USING THEM
 ; FILE REFERENCE: WKO-101PCT
 ; CURRENT APPLICATION NUMBER: US/09/805,127
 ; CURRENT FILING DATE: 2001-03-14
 ; PRIOR APPLICATION NUMBER: JP 1998-260707
 ; PRIOR FILING DATE: 1998-09-14
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 4
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: artificially synthesized sequ
 US-09-805-127-4

Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 1.9e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1648 GAAGGCAGCACCAGG 1663
 DB 16 GAAGGCACCACCAGG 1

RESULT 276
 US-09-805-127-5
 ; Sequence 5, Application US/09805127
 ; Patent No. 6653119
 ; GENERAL INFORMATION:
 ; APPLICANT: BIO MEDIATION TECHNOLOGIE, INC.
 ; TITLE OF INVENTION: WHITE ROT FUNGI AND METHOD FOR DECOMPOSING DIOXINS USING THEM
 ; FILE REFERENCE: WKO-101PCT
 ; CURRENT APPLICATION NUMBER: US/09/805,127
 ; CURRENT FILING DATE: 2001-03-14
 ; PRIOR APPLICATION NUMBER: JP 1998-260707
 ; PRIOR FILING DATE: 1998-09-14
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 5
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: artificially synthesized sequ
 US-09-805-127-5

Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 1.9e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1648 GAAGGCAGCACCAGG 1663
 DB 2 GAAGGCACCACCAGG 17

RESULT 277

US-09-529-812A-4/c
 ; Sequence 4, Application US/09529812A
 ; Patent No. 6682930
 ; GENERAL INFORMATION:
 ; APPLICANT: LU, CHANGDE
 ; TITLE OF INVENTION: NEW TRIPLEX FORMING OLIGONUCLEOTIDES AND THEIR USE IN
 ; TITLE OF INVENTION: ANTI-HBV
 ; FILE REFERENCE: 017227/0150
 ; CURRENT APPLICATION NUMBER: US/09/529,812A
 ; CURRENT FILING DATE: 2000-07-24
 ; PRIOR APPLICATION NUMBER: PCT/CN98/00248
 ; PRIOR FILING DATE: 1998-10-19
 ; PRIOR APPLICATION NUMBER: CN 97106667.1
 ; PRIOR FILING DATE: 1997-10-21
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 4
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Triplex
 ; OTHER INFORMATION: forming oligonucleotide
 ; OTHER INFORMATION: This oligo may or may not be 3'-monophosphorylated
 US-09-529-812A-4

Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 1.9e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1736 CTCCTCACTCTCTCTCT 1751
 DB 16 CTCCTCTCTCTCTCTCT 1

RESULT 278
 US-09-866-108A-529
 ; Sequence 529, Application US/09866108A
 ; Patent No. 6686188
 ; GENERAL INFORMATION:
 ; APPLICANT: GU, Yizhong
 ; APPLICANT: JI, Yonggang
 ; APPLICANT: PENN, Sharron G.
 ; APPLICANT: HANZEL, David K.
 ; APPLICANT: RANK, David R.
 ; APPLICANT: CHEN, Wensheng
 ; APPLICANT: SHANNON, Mark
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
 ; FILE REFERENCE: AEOMICA-7
 ; CURRENT APPLICATION NUMBER: US/09/866,108A
 ; CURRENT FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 15755

; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 529
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-529

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1646 CAGAAGGCAAGCACCA 1661
||| | ||| | ||| | ||| |
Db 1 CAGATGACAAACATCA 16

RESULT 279

US-09-866-108A-1263/c
; Sequence 1263, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.

; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1263
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-1263

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1730 GATTGGCTCCCAACTC 1745
||| | ||| | ||| | ||| |
Db 17 GATCGTCCCCCAACTC 2

RESULT 280

US-09-866-108A-1265/c
; Sequence 1265, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.

; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1265
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-1265

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1729 AGATTGGCTCCCAACT 1744
||| | ||| | ||| | ||| |
Db 16 AGATCGTCCCCCAACT 1

RESULT 281

US-09-866-108A-1285/c
; Sequence 1285, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: GB 24263.6

```

; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1285
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-1286

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1678 CCTGGTGCTCTCTCCA 1693
DB 16 CCTGCTTTCTCCCCA 1

RESULT 283
US-09-866-108A-7832
; Sequence 7832, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEWICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7832
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7832

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCAGCTGGAC 1677
DB 1 GCCTCAGCTGAGC 16

; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1286
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-1286

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1678 CCTGGTGCTCTCTCCA 1693
DB 17 CCTGCTTTCTCCCCA 2

RESULT 282
US-09-866-108A-1286/c
; Sequence 1286, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEWICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1285
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-1285

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1678 CCTGGTGCTCTCTCCA 1693
DB 17 CCTGCTTTCTCCCCA 2
```

/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
 /
 / FILE REFERENCE: AEWICA-7
 /
 / CURRENT APPLICATION NUMBER: US/09/866,108A
 /
 / CURRENT FILING DATE: 2001-05-25
 /
 / PRIOR APPLICATION NUMBER: US 60/207,456
 /
 / PRIOR FILING DATE: 2000-05-26

```

; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 9657
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-9657

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1673 GGAACCCCTGGTGCTC 1688
Db 17 GGACCCCTGGCCTCTC 2

RESULT 287
US-09-866-108A-9659/c
; Sequence 9659, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US 60/236,359
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 9659
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-9659

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGAACCCCTGGTGCTC 1687
Db 16 TGAACCCCTGGCCTCT 1

; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 9659
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-9659

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1673 GGAACCCCTGGTGCTC 1688
Db 17 GGACCCCTGGCCTCTC 2

RESULT 287
US-09-866-108A-9659/c
; Sequence 9659, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US 60/236,359
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 9659
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-9659

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGAACCCCTGGTGCTC 1687
Db 16 TGAACCCCTGGCCTCT 1
```

```

RESULT 288
US-09-866-108A-10208
; Sequence 10208, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US 60/236,359
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10208
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-10208

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1750 CTATCCTAAGGCCCA 1765
Db 2 CTATCCGAAGCCCA 17

RESULT 289
US-09-866-108A-10209
; Sequence 10209, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US 60/207,456
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
```

;; PRIOR FILING DATE: 2000-05-26
;; PRIOR APPLICATION NUMBER: GB 24263.6
;; PRIOR FILING DATE: 2000-10-04
;; PRIOR APPLICATION NUMBER: US 60/236,359
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00669
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00665
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00663
;; PRIOR FILING DATE: 2001-01-30
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; SOFTWARE: Aemica Sequence Listing Engine
;; Patent No. 6686188
;; SEQ ID NO 10209
;; LENGTH: 17
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-866-108A-10209

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1750 CTATCCTAAAGCCCA 1765
||||| ||| ||||
Db 1 CTATCCGAAGCCCA 16

RESULT 290
PCT-US95-16806A-16
; Sequence 16, Application PC/TUS9516806A
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: E2 Binding Proteins
; NUMBER OF SEQUENCES: 21
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII (text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/16806A
; FILING DATE: December 22, 1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/361,806
; FILING DATE: 22-DEC-1994
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
PCT-US95-16806A-16

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1691 CCAGCGTGGTGAAGT 1706
||||| ||| ||||
Db 1 CCAGGGTGGTAGGT 16

RESULT 291
US-09-280-409-75/c
; Sequence 75, Application US/09280409
; Patent No. 6107092
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsett
; APPLICANT: C. Frank Bennett
; APPLICANT: Bert W. O'Malley
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRA EXPRESSION
; FILE REFERENCE: RTS-0048
; CURRENT APPLICATION NUMBER: US/09/280,409
; CURRENT FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 146
; SEQ ID NO 75
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-280-409-75

Query Match 8.1%; Score 11.2; DB 1; Length 18;
Best Local Similarity 81.2%; Pred. No. 2.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1658 ACCAGGCTCACAGCTG 1673
||||| ||| ||||
Db 16 ACCAGGCTCCAGCAG 1

RESULT 292
US-09-624-945-19/c
; Sequence 19, Application US/09624945
; Patent No. 6607915
; GENERAL INFORMATION:
; APPLICANT: Monia, Brett P.
; APPLICANT: Wanciewicz, Edward
; TITLE OF INVENTION: Antisense Modulation of E2A-Pbx1 Expression
; FILE REFERENCE: ISPH-0477
; CURRENT APPLICATION NUMBER: US/09/624,945
; CURRENT FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: 60/156,836
; PRIOR FILING DATE: 1999-09-30
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-624-945-19

Query Match 8.1%; Score 11.2; DB 1; Length 20;
Best Local Similarity 81.2%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1668 CAGCTGGAACCTCGT 1683
||||| ||| ||||
Db 16 CAGCTGTCAGCTCGT 1

RESULT 293
US-09-081-646-218
; Sequence 218, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei

;; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
;; TITLE OF INVENTION: Cancer Cells
;; FILE REFERENCE: 01107.74664
;; CURRENT APPLICATION NUMBER: US/09/081,646
;; CURRENT FILING DATE: 1998-05-20
;; EARLIER APPLICATION NUMBER: 60/047,352
;; EARLIER FILING DATE: 1997-05-21
;; NUMBER OF SEQ ID NOS: 871
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 218
;; LENGTH: 15
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-081-646-218

Query Match 7.9%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1672 TGGACCCCTGG 1682
||| |||||
Db 3 TGGACCCCTGG 13

RESULT 294

US-09-081-646-855
;; Sequence 855, Application US/09081646
;; Patent No. 6333152
;; GENERAL INFORMATION:
;; APPLICANT: Kinzler, Kenneth
;; APPLICANT: Vogelstein, Bert
;; APPLICANT: Zhang, Lin
;; APPLICANT: Zhou, Wei
;; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
;; TITLE OF INVENTION: Cancer Cells
;; FILE REFERENCE: 01107.74664
;; CURRENT APPLICATION NUMBER: US/09/081,646
;; CURRENT FILING DATE: 1998-05-20
;; EARLIER APPLICATION NUMBER: 60/047,352
;; EARLIER FILING DATE: 1997-05-21
;; NUMBER OF SEQ ID NOS: 871
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 855
;; LENGTH: 15
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-081-646-855

Query Match 7.9%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1672 TGGACCCCTGG 1682
||| |||||
Db 3 TGGACCCCTGG 13

RESULT 295

US-08-135-511-2
;; Sequence 2, Application US/08135511
;; Patent No. 5558999
;; GENERAL INFORMATION:
;; APPLICANT: Chiang, John
;; TITLE OF INVENTION: Cholesterol 7a-Hydroxylase Gene
;; TITLE OF INVENTION: Regulatory Elements and Methods for Using Them
;; NUMBER OF SEQUENCES: 35
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Foley & Lardner
;; STREET: 3000 K Street, N.W., Suite 500
;; CITY: Washington, D.C.
;; COUNTRY: USA
;; ZIP: 20007-5109
;; COMPUTER READABLE FORM:

;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/135,511
;; FILING DATE: 13-OCT-1993
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: SANDERCOCK, Colin G.
;; REGISTRATION NUMBER: 31,298
;; REFERENCE/DOCKET NUMBER: 18748/175
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (202)672-5300
;; TELEFAX: (202)672-5399
;; TELEX: 904136
;; INFORMATION FOR SEQ ID NC: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 16 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
US-08-135-511-2

Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1740 CAACTCCTCCC 1750
||| |||||
Db 1 CAACTCCTCCC 11

RESULT 296

US-08-187-453-2
;; Sequence 2, Application US/08187453
;; Patent No. 5753431
;; GENERAL INFORMATION:
;; APPLICANT: Chiang, John
;; TITLE OF INVENTION: Cholesterol 7a-Hydroxylase Gene
;; TITLE OF INVENTION: Regulatory Elements and Transcription Factors
;; NUMBER OF SEQUENCES: 37
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Foley & Lardner
;; STREET: 3000 K Street, N.W., Suite 500
;; CITY: Washington, D.C.
;; COUNTRY: USA
;; ZIP: 20007-5109
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/187,453
;; FILING DATE: 28-JAN-1994
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/135,488
;; FILING DATE: 13-OCT-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/135,511
;; FILING DATE: 13-OCT-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/135,510
;; FILING DATE: 13-OCT-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: SANDERCOCK, Colin G.
;; REGISTRATION NUMBER: 31,298
;; REFERENCE/DOCKET NUMBER: 18748/188
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (202)672-5300


```
; TELEFAX: (202) 672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-187-453-2
Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1740 CAACTCTCTCCC 1750
Db 1 CAACTCTCTCCC 11

RESULT 297
US-08-379-482A-6
; Sequence 6, Application US/08379482A
; Patent No. 5859334
; GENERAL INFORMATION:
; APPLICANT: Brugliera, Filippa
; APPLICANT: Holton, Timothy A.
; TITLE OF INVENTION: GENETIC SEQUENCES ENCODING
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Scully, Scott, Murphy & Presser
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: New York
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/379,482A
; FILING DATE: 30-JUL-1993
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Digiglio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 9590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-379-482A-6
Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1683 TGTCTCTCTCCA 1693
Db 2 TGTCTCTCTCCA 12

RESULT 298
; TELEFAX: (202) 672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-187-453-2
Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1740 CAACTCTCTCCC 1750
Db 1 CAACTCTCTCCC 11

RESULT 297
US-08-379-482A-6
; Sequence 6, Application US/08379482A
; Patent No. 5859334
; GENERAL INFORMATION:
; APPLICANT: Brugliera, Filippa
; APPLICANT: Holton, Timothy A.
; TITLE OF INVENTION: GENETIC SEQUENCES ENCODING
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Scully, Scott, Murphy & Presser
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: New York
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/379,482A
; FILING DATE: 30-JUL-1993
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Digiglio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 9590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-379-482A-6
Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1683 TGTCTCTCTCCA 1693
Db 2 TGTCTCTCTCCA 12

RESULT 298
```

```
US-08-464-582-16
; Sequence 16, Application US/08464582
; Patent No. 6114598
; GENERAL INFORMATION:
; APPLICANT: Kucherlapati, Raju
; APPLICANT: Jakobovits, Aya
; APPLICANT: Klapholz, Sue
; APPLICANT: Brenner, Daniel G.
; APPLICANT: Capon, Daniel J.
; TITLE OF INVENTION: GENERATION OF XENOGENIC ANTIBODIES
; FILE REFERENCE: CELL 4.10
; CURRENT APPLICATION NUMBER: US/08/464,582
; CURRENT FILING DATE: 1995-06-05
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 16
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: adapter
US-08-464-582-16
Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1669 AGCTGGAACCC 1679
Db 1 AGCTGGAACCC 11

RESULT 299
US-08-462-513-16
; Sequence 16, Application US/08462513
; Patent No. 6162963
; GENERAL INFORMATION:
; APPLICANT: Kucherlapati, Raju
; APPLICANT: Jakobovits, Aya
; APPLICANT: Klapholz, Sue
; APPLICANT: Brenner, Daniel G.
; APPLICANT: Capon, Daniel J.
; TITLE OF INVENTION: GENERATION OF XENOGENIC ANTIBODIES
; FILE REFERENCE: CELL 4.16
; CURRENT APPLICATION NUMBER: US/08/462,513
; CURRENT FILING DATE: 1995-06-05
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 16
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: adapter
US-08-462-513-16
Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1669 AGCTGGAACCC 1679
Db 1 AGCTGGAACCC 11

RESULT 300
US-08-031-801-17
; Sequence 17, Application US/08031801
; Patent No. 6673986
; GENERAL INFORMATION:
; APPLICANT: KUCHERLAPATI, RAJU
; APPLICANT: JAKOBOVITS, AYA
; APPLICANT: KLAPHOLZ, SUE
```

Db	1	AGCTGGAACCC	11	
RESULT 302				
US-08-173-489C-179				
Sequence 179, Application US/08173489C				
Patent No. 5861244				
GENERAL INFORMATION:				
APPLICANT: WANG, C. -G.				
APPLICANT: HEPBURN, A. G.				
TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA				
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.				
NUMBER OF SEQUENCES: 365				
CORRESPONDENCE ADDRESS:				
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,				
STREET: 510 EAST 73RD STREET,				
CITY: NEW YORK				
STATE: NEW YORK				
COUNTRY: USA				
ZIP: 10021.				
COMPUTER READABLE FORM:				
MEDIUM TYPE: 3.5 inch, 1.44Mb storage				
COMPUTER: IBM PC/XT/AT				
OPERATING SYSTEM: MS-DOS version 6.2				
SOFTWARE: Wordperfect Version 5.1				
CURRENT APPLICATION DATA:				
APPLICATION NUMBER: US/08/173,489C				
FILING DATE: 22 DEC 1993				
CLASSIFICATION: 435				
PRIOR APPLICATION DATA:				
APPLICATION NUMBER: US 07/968,436				
FILING DATE: 29 OCT 1992				
ATTORNEY/AGENT INFORMATION:				
NAME: Handelman, Joseph H.				
REGISTRATION NUMBER: 26,179				
REFERENCE/DOCKET NUMBER: U9518-6				
TELECOMMUNICATION INFORMATION:				
TELEPHONE: (attorney) (212) 708-1880				
TELEFAX: (attorney) (212) 246-8959				
INFORMATION FOR SEQ ID NO: 179:				
SEQUENCE CHARACTERISTICS:				
LENGTH: 14 base pairs				
TYPE: nucleic acid				
STRANDEDNESS: double stranded				
TOPOLOGY: linear				
MOLECULE TYPE: genomic DNA				
DESCRIPTION: hepatitis B virus adw2 isolate,				
DESCRIPTION: nucleotides 727 to 740				
HYPOTHETICAL: no				
ANTI-SENSE: no				
ORIGINAL SOURCE:				
ORGANISM: Hepatitis B virus				
INDIVIDUAL ISOLATE: adw2				
PUBLICATION INFORMATION:				
AUTHORS: Valenzuela, P, Quiroga, M, Zaldivar, J,				
AUTHORS: Gray, P, Ruter, W J.				
TITLE: The nucleotide sequence of				
TITLE: the Hepatitis B viral genome and the				
TITLE: identification of the major viral genes				
JOURNAL: In "Animal Virus Genetics", Fields, B N,				
JOURNAL: Jaenisch, R, Fox C F eds				
VOLUME:				
PAGES: 57-70				
DATE: 1980				
RELEVANT RESIDUES IN SEQ ID NO: 179 :FROM 1 TO 14				
US-08-173-489C-179				
QY	1743	CTCCTCCCTATCCT	1756	
Query Match				
Best Local Similarity 7.8%; Score 10.8; DB 1; Length 14;				
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;				

Db	1	AGCTGGAACCC	11	
RESULT 301				
US-08-031-801-29				
Sequence 29, Application US/08031801				
Patent No. 6673986				
GENERAL INFORMATION:				
APPLICANT: KUCHERLAPATI, RAJU				
APPLICANT: JAKOBOWITS, AYA				
APPLICANT: KLAPHOLZ, SUE				
APPLICANT: BRENNER, DANIEL G.				
APPLICANT: CAPON, DANIEL J.				
TITLE OF INVENTION: GENERATION OF XENOGENEIC ANTIBODIES				
FILE REFERENCE: CELL 4.4 CPA RCE				
CURRENT APPLICATION NUMBER: US/08/031,801				
CURRENT FILING DATE: 2003-01-10				
PRIOR APPLICATION NUMBER: 07/919,297				
PRIOR FILING DATE: 1992-07-24				
PRIOR APPLICATION NUMBER: PCT/US91/00245				
PRIOR FILING DATE: 1991-01-11				
PRIOR APPLICATION NUMBER: 07/610,515				
PRIOR FILING DATE: 1990-11-08				
PRIOR APPLICATION NUMBER: 07/466,008				
PRIOR FILING DATE: 1990-01-12				
NUMBER OF SEQ ID NOS: 33				
SOFTWARE: PatentIn Ver. 2.1				
SEQ ID NO 17				
LENGTH: 16				
TYPE: DNA				
ORGANISM: Artificial Sequence				
FEATURE:				
OTHER INFORMATION: Description of Artificial Sequence: Synthetic				
OTHER INFORMATION: oligonucleotide				
US-08-031-801-17				
Query Match				
Best Local Similarity 100.0%; Pred. No. 1.9e+02;				
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	1669	AGCTGGAACCC	1679	
Query Match				
Best Local Similarity 7.9%; Score 11; DB 1; Length 16;				
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				

Db 1 CTCCTTCCTTCCT 14

RESULT 303
US-08-913-833-4
; Sequence 4, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS: 164
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
; FILING DATE: 17 Jan 1997
; APPLICATION NUMBER: PCT/EP97/00211
; PRIOR APPLICATION DATA:
; FILING DATE: 26 Jan 1996
; APPLICATION NUMBER: EP 96870005.4
; PRIOR APPLICATION DATA:
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
US-08-913-833-4

Query Match 7.8%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1718 TACGAGATGGAGA 1731
||| |||||
Db 1 TACAGAGATGGAAA 14

RESULT 304
US-09-580-794C-4
; Sequence 4, Application US/09580794C
; Patent No. 6331389
; GENERAL INFORMATION:
; APPLICANT: Stuyver, Lieven
; APPLICANT: Louwagie, Joost
; APPLICANT: Rossau, Rudi
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
; TITLE OF INVENTION: TRANSCRIPTASE GENE
; FILE REFERENCE: INNS008--2

; CURRENT APPLICATION NUMBER: US/09/580,794C
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
; PRIOR FILING DATE: 1997-09-15
; PRIOR APPLICATION NUMBER: PCT/EP 97/00211
; PRIOR FILING DATE: 1997-01-17
; PRIOR APPLICATION NUMBER: EP 96870005.4
; PRIOR FILING DATE: 1996-01-26
; PRIOR APPLICATION NUMBER: EP 96870081.5
; PRIOR FILING DATE: 1996-06-25
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Primer
US-09-580-794C-4

Query Match 7.8%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1718 TACGAGATGGAGA 1731
||| |||||
Db 1 TACAGAGATGGAAA 14

RESULT 305
US-07-998-973A-18
; Sequence 18, Application US/07998973A
; Patent No. 5514579
; GENERAL INFORMATION:
; APPLICANT: O'Hara, Patrick J
; APPLICANT: Grant, Francis J
; APPLICANT: Sheppard, Paul O
; TITLE OF INVENTION: NOVEL HUMAN TRANSGLUTAMINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/998,973A
; FILING DATE: 19921230
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/816,284
; FILING DATE: 31-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steve W
; REGISTRATION NUMBER: 31-990
; REFERENCE/DOCKET NUMBER: 13952-13-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-467-9600
; TELEFAX: 206-623-6793
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: ZC4048

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US-07-998-973A-18
Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1663 GCTCAGCTGGAA 1676
DB 1 GCGCTCAGCTGGAA 14

RESULT 306
US-08-479-248-1/c
; Sequence 1, Application US/08479248
; Patent No. 5594121
; GENERAL INFORMATION:
; APPLICANT: FROEHLER, BRIAN
; APPLICANT: MATTEUCCI, MARK
; TITLE OF INVENTION: ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
; TITLE OF INVENTION: FORMATION WITH OLIGOMERS CONTAINING MODIFIED PURINES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GILEAD SCIENCES INC.
; STREET: 353 Lakeside Drive
; CITY: Foster City
; STATE: CA
; COUNTRY: USA
; ZIP: 94404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MUENCHAU, DARYL
; REGISTRATION NUMBER: 36,616
; REFERENCE/DOCKET NUMBER: 160.1C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 574-3000
; TELEFAX: (415) 573-4899
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-479-248-1

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATCCT 1756
DB 14 CTCCTCCCTATCCT 1

RESULT 307
US-08-479-248-2
; Sequence 2, Application US/08479248
; Patent No. 5594121
; GENERAL INFORMATION:
; APPLICANT: FROEHLER, BRIAN
; APPLICANT: MATTEUCCI, MARK
; TITLE OF INVENTION: ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
; TITLE OF INVENTION: FORMATION WITH OLIGOMERS CONTAINING MODIFIED PURINES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GILEAD SCIENCES INC.
; STREET: 353 Lakeside Drive
; CITY: Foster City
; STATE: CA
; COUNTRY: USA
; ZIP: 94404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MUENCHAU, DARYL
; REGISTRATION NUMBER: 36,616
; REFERENCE/DOCKET NUMBER: 160.1C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 574-3000
; TELEFAX: (415) 573-4899
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-479-248-1

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATCCT 1756
DB 14 CTCCTCCCTATCCT 1

RESULT 308
US-08-462-305-8
; Sequence 8, Application US/08462305
; Patent No. 5696248
; GENERAL INFORMATION:
; APPLICANT: Peyman, Anuschirwan
; APPLICANT: Uhlmann, Eugen
; APPLICANT: Carolus, Carolin
; TITLE OF INVENTION: 3'-Modified Oligonucleotide Derivatives
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoechst Marion Roussel, Inc.
; STREET: 2110 E. Galbraith Road, P.O. Box 156300
; CITY: Cincinnati
; STATE: Ohio
; COUNTRY: USA
; ZIP: 45215-6300
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Payne, T. Helen
; REGISTRATION NUMBER: 36,889
; REFERENCE/DOCKET NUMBER: HOE94/F161X US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 513-948-7183
; TELEFAX: 513-948-7960 or 4681
; TELEX: 214320
; INFORMATION FOR SEQ ID NO: 8:
```

SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
US-08-462-305-8

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1668 CAGCTGGAACCCCTG 1681

Db 1 CAGCTGCAACCCAG 14

RESULT 309

US-08-363-240A-602/c
Sequence 602, Application US/08363240A
Patent No. 5705388

GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaier, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 602:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-602

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTG 1734

|||||

Db 15 GGAGATGAAGTTTG 2

RESULT 310

US-08-363-240A-603/c
Sequence 603, Application US/08363240A
Patent No. 5705388

GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaier, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 603:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-603

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTG 1734

|||||

Db 14 GGAGATGAAGTTTG 1

RESULT 311

US-08-311-486C-598/c
Sequence 598, Application US/08311486C
Patent No. 5811300

GENERAL INFORMATION:
APPLICANT: Sean Sullivan
APPLICANT: Kenneth Draper
APPLICANT: Kevin Kisich
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
TITLE OF INVENTION: RIBOZYME TREATMENT OF

;; TITLE OF INVENTION: DISEASES OR CONDITIONS
;; TITLE OF INVENTION: RELATED TO LEVELS OF
;; TITLE OF INVENTION: TNF-
;; NUMBER OF SEQUENCES: 1157
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Lyon & Lyon
;; STREET: 633 West Fifth Street
;; CITY: Los Angeles
;; STATE: California
;; COUNTRY: U.S.A.
;; ZIP: 90071-2066
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;; MEDIUM TYPE: storage
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: IBM P.C. DOS 5.0
;; SOFTWARE: Word Perfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/311,486C
;; FILING DATE: September 23, 1994
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; PRIOR APPLICATION DATA: including application
;; PRIOR APPLICATION DATA: described below:
;; APPLICATION NUMBER: 08/008,895
;; FILING DATE: January 19, 1993
;; APPLICATION NUMBER: 07/989,849
;; FILING DATE: December 7, 1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warburg, Richard J.
;; REGISTRATION NUMBER: 32,327
;; REFERENCE/DOCKET NUMBER: 209/166
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;; INFORMATION FOR SEQ ID NO: 598:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; US-08-311-486C-598

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1708 GGCTTAGGAGTACG 1721
Db 15 GGCTGAGGAGCAG 2

RESULT 312
US-08-311-486C-599/c
; Sequence 599, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth Draper
; APPLICANT: Kevin Kisich
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: TNF-
; NUMBER OF SEQUENCES: 1157
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,486C
; FILING DATE: September 23, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/166
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 598:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-311-486C-598

;; CITY: Los Angeles
;; STATE: California
;; COUNTRY: U.S.A.
;; ZIP: 90071-2066
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;; MEDIUM TYPE: storage
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: IBM P.C. DOS 5.0
;; SOFTWARE: Word Perfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/311,486C
;; FILING DATE: September 23, 1994
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; PRIOR APPLICATION DATA: including application
;; PRIOR APPLICATION DATA: described below:
;; APPLICATION NUMBER: 08/008,895
;; FILING DATE: January 19, 1993
;; APPLICATION NUMBER: 07/989,849
;; FILING DATE: December 7, 1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warburg, Richard J.
;; REGISTRATION NUMBER: 32,327
;; REFERENCE/DOCKET NUMBER: 209/166
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;; INFORMATION FOR SEQ ID NO: 599:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; US-08-311-486C-599

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1708 GGCTTAGGAGTACG 1721
Db 15 GGCTGAGGAGCAG 2

RESULT 313
US-08-613-417A-8
; Sequence 8, Application US/08613417A
; Patent No. 5874553
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Phosphonomonoester nucleic acids, and their use
; TITLE OF INVENTION: process for their preparation, and their use
; NUMBER OF SEQUENCES: 33
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0. Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/613,417A
; FILING DATE:
; CLASSIFICATION: 514
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: yes
; FEATURE:

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; NAME/KEY: exon
; LOCATION: 1..15
US-08-613-417A-8

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1668 CAGCTGGACCTG 1681
DB 1 CAGCTGCAACCCAG 14

RESULT 314
US-08-585-684B-2047
; Sequence 2047, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/585,684B
; FILING DATE: January 16, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/000,951
; FILING DATE: July 7, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2047:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-585-684B-2047

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 57.1%; Pred. No. 1.8e+02;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1678 CCGGUCUACCC 1691
DB 2 CCGGUCUACCC 15

RESULT 315
US-08-452-800-18
; Sequence 18, Application US/08452800
```

```
; Patent No. 5952011
; GENERAL INFORMATION:
; APPLICANT: O'Hara, Patrick J
; APPLICANT: Grant, Francis J
; APPLICANT: Shepard, Paul O
; TITLE OF INVENTION: NOVEL HUMAN TRANSGLUTAMINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/452,800
; FILING DATE: 30-MAY-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/998,973
; FILING DATE: 30-DEC-1992
; APPLICATION NUMBER: US 07/816,284
; FILING DATE: 31-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steve W
; REGISTRATION NUMBER: 31-990
; REFERENCE/DOCKET NUMBER: 13952-13-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-467-9600
; TELEFAX: 206-623-6793
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: ZC4048
US-08-452-800-18

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1663 GCTCAGCTGGAA 1676
DB 1 GCGCTCAGCTGGAA 14

RESULT 316
US-08-594-452-8
; Sequence 8, Application US/08594452
; Patent No. 6013639
; GENERAL INFORMATION:
; APPLICANT: PEYMAN, Anuschirwan
; APPLICANT: UHLMANN, Eugen
; TITLE OF INVENTION: G CAP-STABILIZED OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 105
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 X Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/594,452
; FILING DATE: 31-JAN-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 195 02 912.7
; FILING DATE: 31-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: SANDERCOCK, Colin G.
; REGISTRATION NUMBER: 31,298
; REFERENCE/DOCKET NUMBER: 18748/264/HOCE
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-594-452-8

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1668 CAGCTGGAACCCCTG 1681
Db      1 CAGCTGCAACCCAG 14

RESULT 317
US-08-578-686C-7
; Sequence 7, Application US/08578686C
; Patent No. 6028182
; GENERAL INFORMATION:
; APPLICANT: Uhlmann, Eugen
; TITLE OF INVENTION: Methylphosphonic Acid Ester, Process For
; TITLE OF INVENTION: Preparing The Same And Its Use
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner, L.L.P.
; STREET: 1300 I. Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/578,686C
; FILING DATE: January 2, 1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Johnson, Lori-Ann
; REGISTRATION NUMBER: 34,498
; REFERENCE/DOCKET NUMBER: 2481.1481-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
```

```
; MOLECULE TYPE: DNA (genomic)
; US-08-578-686C-7

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1668 CAGCTGGAACCCCTG 1681
Db      1 CAGCTGCAACCCAG 14

RESULT 318
US-09-094-405-8
; Sequence 8, Application US/09094405
; Patent No. 6066720
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Modified oligonucleotides, their preparation
; TITLE OF INVENTION: ard use
; NUMBER OF SEQUENCES: 30
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/094,405
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,196
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; ORIGINAL SOURCE:
; ORGANISM: human
; FEATURE:
; NAME/KEY: exon
; LOCATION: 1..15
; OTHER INFORMATION: /note= "c-Ha-ras"
; US-09-094-405-8

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1668 CAGCTGGAACCCCTG 1681
Db      1 CAGCTGCAACCCAG 14

RESULT 319
US-09-258-408-8
; Sequence 8, Application US/09258408
; Patent No. 6121434
; GENERAL INFORMATION:
; APPLICANT: FEIMAN, Anuschirwan
; APPLICANT: UHLMANN, Eugen
; TITLE OF INVENTION: G CAP-STABILIZED OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 105
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
```



```
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/258,408
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/594,452
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: SANDERCOCK, Colin G.
; REGISTRATION NUMBER: 31,298
; REFERENCE/DOCKET NUMBER: 18748/264/HOCE
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-258-408-8

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1668 CAGCTGGAACCCCTG 1681
Db 1 CAGCTGCAACCCAG 14

RESULT 320
US-09-196-132-8
; Sequence 8, Application US/09196132
; Patent No. 6127346
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Phosphomonoester nucleic acids, and their use
; NUMBER OF SEQUENCES: 33
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/196,132
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/613,417
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: yes
; FEATURE:
; NAME/KEY: exon
; LOCATION: 1..15
; US-09-196-132-8
```

```
Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1668 CAGCTGGAACCCCTG 1681
Db 1 CAGCTGCAACCCAG 14

RESULT 321
US-09-144-112-7
; Sequence 7, Application US/09144112
; Patent No. 6150510
; GENERAL INFORMATION:
; APPLICANT: SEELA, Frank
; APPLICANT: THOMAS, Horst
; TITLE OF INVENTION: MODIFIED OLIGONUCLEOTIDES, THEIR PREPARATION AND THEIR
; FILE REFERENCE: 026083/0181
; CURRENT APPLICATION NUMBER: US/09/144,112
; CURRENT FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: DE P 44 38 918.3
; PRIOR FILING DATE: 1994-11-04
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Antisense
; OTHER INFORMATION: Oligonucleotide
; US-09-144-112-7

Query Match 7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1668 CAGCTGGAACCCCTG 1681
Db 1 CAGCTGCAACCCAG 14

RESULT 322
US-09-038-073-2047
; Sequence 2047, Application US/09038073
; Patent No. 6194150
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,073
; FILING DATE:
; PRIOR APPLICATION DATA:
```

```
; APPLICATION NUMBER: 08/585,684
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2047:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-038-073-2047

Query Match
Best Local Similarity 7.8%; Score 10.8; DB 1; Length 15;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1678 OCTGGTGTCTCTC 1691
Db 2 CCUGGUCACCCUC 15

RESULT 323
US-08-410-390-3
; Sequence 3, Application US/08410390
; Patent No. 6214974
; GENERAL INFORMATION:
; APPLICANT: Rosenblum, Michael G.
; APPLICANT: Donato, Nicholas J.
; TITLE OF INVENTION: Avidin Biotin Immunoconjugates
; FILE REFERENCE: D5702C
; CURRENT APPLICATION NUMBER: US/08/410,390
; CURRENT FILING DATE: 1995-03-27
; PRIOR APPLICATION NUMBER: US 08/192,655
; PRIOR FILING DATE: 1994-07-02
; NUMBER OF SEQ ID NOS: 3
; SEQ ID NO 3
; LENGTH: 15
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: Antisense oligonucleotide sequence against
; OTHER INFORMATION: 5' flanking sequence in c-HA-ras mRNA
US-08-410-390-3

Query Match
Best Local Similarity 7.8%; Score 10.8; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1668 CAGCTGGAAACCCCTG 1681
Db 1 CAGCTGCAACCCAG 14

RESULT 324
US-08-895-981-8
; Sequence 8, Application US/08895981
; Patent No. 6326487
; GENERAL INFORMATION:
; APPLICANT: Peyman, Anuschirwan
; APPLICANT: Uhlmann, Eugen
; APPLICANT: Carolus, Carolin
; TITLE OF INVENTION: 3'-Modified Oligonucleotide Derivatives
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoechst Marion Roussel, Inc.
; STREET: 2110 E. Galbraith Road, P.O. Box 156300
; CITY: Cincinnati
```

```
; STATE: Ohio
; COUNTRY: USA
; ZIP: 45215-6300
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/895,981
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/462,305
; FILING DATE: 05-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Payne, T. Helen
; REGISTRATION NUMBER: 36,889
; REFERENCE/DOCKET NUMBER: HOE94/F161K US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 513-948-7183
; TELEFAX: 513-948-7960 or 4681
; TELEX: 214320
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
US-08-895-981-8

Query Match
Best Local Similarity 7.8%; Score 10.8; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1668 CAGCTGGAAACCCCTG 1681
Db 1 CAGCTGCAACCCAG 14

RESULT 325
US-08-337-120A-8
; Sequence 8, Application US/08337120A
; Patent No. 6348312
; GENERAL INFORMATION:
; APPLICANT: Peyman, Anuschirwan
; APPLICANT: Uhlmann, Eugen
; APPLICANT: Mag, Matthias
; APPLICANT: Kretzschmar, Gerhard
; APPLICANT: Helsberg, Matthias
; APPLICANT: Winkler, Irvin
; TITLE OF INVENTION: Stabilized Oligonucleotides And Their
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/337,120A
; FILING DATE: 12-NOV-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
```

```
; APPLICATION NUMBER: DE P 43 38 704.7
; FILING DATE: 12-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Einaudi, Carol P.
; REGISTRATION NUMBER: 32,220
; REFERENCE/DOCKET NUMBER: 02481.1409-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)408-4000
; TELEFAX: (202)408-4400
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-337-120A-8

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1668 CAGCTGGAACCCCTG 1681
      ||||| |||||
Db 1 CAGCTGCAACCCAG 14

RESULT 326
US-09-643-233-7
; Sequence 7, Application US/09643233
; Patent No. 6479651
; GENERAL INFORMATION:
; APPLICANT: SEEBA, Frank
; APPLICANT: THOMAS, Horst
; TITLE OF INVENTION: MODIFIED OLIGONUCLEOTIDES, THEIR PREPARATION AND THEIR
; FILE REFERENCE: 026083/0181
; CURRENT APPLICATION NUMBER: US/09/643,233
; CURRENT FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 09/144,112
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Antisense
US-09-643-233-7

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1668 CAGCTGGAACCCCTG 1681
      ||||| |||||
Db 1 CAGCTGCAACCCAG 14

RESULT 327
PCT-US92-11353-18
; Sequence 18, Application PC/TUS9211353
; GENERAL INFORMATION:
; APPLICANT: O'Hara, Patrick J
; APPLICANT: Grant, Francis J
; APPLICANT: Sheppard, Paul O
; TITLE OF INVENTION: NOVEL HUMAN TRANSGLUTAMINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend
; STREET: One Market Plaza, Stuart Street Tower
```

```
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/11353
; FILING DATE: 19921230
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/816,284
; FILING DATE: 31-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steve W
; REGISTRATION NUMBER: 31-990
; REFERENCE/DOCKET NUMBER: 13952-13-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-467-9600
; TELEFAX: 206-623-6793
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: ZC4048
PCT-US92-11353-18

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1663 GCTCAGCTGGAA 1676
      ||||| |||||
Db 1 GCGCTCAGCTGGAA 14

RESULT 328
US-07-696-793A-1/c
; Sequence 1, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
```

REGISTRATION NUMBER: 32704
REFERENCE/DOCKET NUMBER: 2598
TELEPHONE: (415) 420-3444
TELEFAX: (415) 658-5239
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-07-696-793A-1

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1672 TGGAAACCCCTGGTGT 1685
DB 15 TGGAAAGCTTGGTGT 2

RESULT 329
US-07-696-793A-5/c
Sequence 5, Application US/07696793A
Patent No. 5220004
GENERAL INFORMATION:
APPLICANT: Saiki, Randall K.
APPLICANT: Nasarabadi, Shanavaz L.
TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
TITLE OF INVENTION: Typing
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cetus Corporation
STREET: 1400 Fifty-Third Street
CITY: Emeryville
STATE: California
COUNTRY: U.S.A.
ZIP: 94608

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/696,793A
FILING DATE: 19910507
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Kevin R. Kaster
REGISTRATION NUMBER: 32704
REFERENCE/DOCKET NUMBER: 2598
TELEPHONE: (415) 420-3444
TELEFAX: (415) 658-5239
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE:
US-07-696-793A-5

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1698 GGTGAAGTTGGT 1711

DB 15 GGTGAAGCTTGGT 2

RESULT 330
US-07-696-793A-10/c
Sequence 10, Application US/07696793A
Patent No. 5220004
GENERAL INFORMATION:
APPLICANT: Saiki, Randall K.
APPLICANT: Nasarabadi, Shanavaz L.
TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
TITLE OF INVENTION: Typing
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cetus Corporation
STREET: 1400 Fifty-Third Street
CITY: Emeryville
STATE: California
COUNTRY: U.S.A.
ZIP: 94608

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/696,793A
FILING DATE: 19910507
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Kevin R. Kaster
REGISTRATION NUMBER: 32704
REFERENCE/DOCKET NUMBER: 2598
TELEPHONE: (415) 420-3444
TELEFAX: (415) 658-5239
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-07-696-793A-10

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1672 TGGAAACCCCTGGTGT 1685
DB 15 TGGAAAGCTTGGTGT 2

RESULT 331
US-07-696-793A-23/c
Sequence 23, Application US/07696793A
Patent No. 5220004
GENERAL INFORMATION:
APPLICANT: Saiki, Randall K.
APPLICANT: Nasarabadi, Shanavaz L.
TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
TITLE OF INVENTION: Typing
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cetus Corporation
STREET: 1400 Fifty-Third Street
CITY: Emeryville
STATE: California

```
/ / COUNTRY: U.S.A.
/ / ZIP: 94608
/ / COMPUTER READABLE FORM:
/ / MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
/ / COMPUTER: Apple Macintosh
/ / OPERATING SYSTEM: Macintosh 6.0.5
/ / SOFTWARE: WordPerfect
/ / CURRENT APPLICATION DATA:
/ / APPLICATION NUMBER: US/07/696,793A
/ / FILING DATE: 19910507
/ / CLASSIFICATION: 435
/ / PRIOR APPLICATION DATA:
/ / APPLICATION NUMBER:
/ / FILING DATE:
/ / ATTORNEY/AGENT INFORMATION:
/ / NAME: Kevin R. Kaster
/ / REGISTRATION NUMBER: 32704
/ / REFERENCE/DOCKET NUMBER: 2598
/ / TELECOMMUNICATION INFORMATION:
/ / TELEPHONE: (415) 420-3444
/ / TELEFAX: (415) 658-5239
/ / INFORMATION FOR SEQ ID NO: 23:
/ / SEQUENCE CHARACTERISTICS:
/ / LENGTH: 16 base pairs
/ / TYPE: NUCLEIC ACID
/ / STRANDEDNESS: single stranded
/ / TOPOLOGY: linear
/ / MOLECULE TYPE: Other nucleic acid
/ / US-07-696-793A-23

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1672 TGGAACTCTGGTGT 1685
Db 15 TGGAACTCTGGTGT 2

RESULT 332
US-07-977-694-1/c
; Sequence 1, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESS: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE:
; US-07-977-694-5

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1698 GGTGGAAGTTGGGT 1711
Db 15 GGTGGAAGTTGGGT 2
```

```
/ / TELEPHONE: (510) 814-2863
/ / TELEFAX: (510) 814-2977
/ / INFORMATION FOR SEQ ID NO: 1:
/ / SEQUENCE CHARACTERISTICS:
/ / LENGTH: 16 base pairs
/ / TYPE: NUCLEIC ACID
/ / STRANDEDNESS: single stranded
/ / TOPOLOGY: linear
/ / MOLECULE TYPE: Other nucleic acid
/ / US-07-977-694-1

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1672 TGGAACTCTGGTGT 1685
Db 15 TGGAACTCTGGTGT 2

RESULT 333
US-07-977-694-5/c
; Sequence 5, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESS: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE:
; US-07-977-694-5

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1698 GGTGGAAGTTGGGT 1711
Db 15 GGTGGAAGTTGGGT 2
```

RESULT 334
US-07-977-694-10/c
Sequence 10, Application US/07977694
Patent No. 5273883
GENERAL INFORMATION:
APPLICANT: Saiki, Randall K.
APPLICANT: Nasarabadi, Shanavaz L.
TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
TITLE OF INVENTION: Typing
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hoffmann-La Roche Inc.
STREET: 340 Kingsland Street
CITY: Nutley
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07110-1199
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/977,694
FILING DATE: 19921117
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Stacey R. Sias, Ph.D.
REGISTRATION NUMBER: 32,630
REFERENCE/DOCKET NUMBER: 8733
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 814-2863
TELEFAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-07-977-694-10

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02; 2; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 2;

QY 1672 TGGAAACCTGGTGT 1685
Db 15 TCGAATCTTGGTGT 2
RESULT 335
US-07-977-694-23/c
Sequence 23, Application US/07977694
Patent No. 5273883
GENERAL INFORMATION:
APPLICANT: Saiki, Randall K.
APPLICANT: Nasarabadi, Shanavaz L.
TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
TITLE OF INVENTION: Typing
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hoffmann-La Roche Inc.
STREET: 340 Kingsland Street
CITY: Nutley
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07110-1199
COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/977,694
FILING DATE: 19921117
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Stacey R. Sias, Ph.D.
REGISTRATION NUMBER: 32,630
REFERENCE/DOCKET NUMBER: 8733
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 814-2863
TELEFAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-07-977-694-23

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02; 2; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 2;

QY 1672 TGGAAACCTGGTGT 1685
Db 15 TCGAATCTTGGTGT 2
RESULT 336
US-08-255-264-23/c
Sequence 23, Application US/08255264
Patent No. 5643724
GENERAL INFORMATION:
APPLICANT: Filides, Nicola J.
APPLICANT: Reynolds, Rebecca L.
TITLE OF INVENTION: Methods and Reagents for Glycophorin A
TITLE OF INVENTION: Typing
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hoffmann-La Roche Inc.
STREET: 340 Kingsland Street
CITY: Nutley
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/255,264
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Petry Ph.D., Douglas A.
REGISTRATION NUMBER: 35,321
REFERENCE/DOCKET NUMBER: 8865
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 814-2974
TELEFAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-255-264-23

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1672 TGAACCTGTGT 1685
Db 15 TGAAGCTGTGT 2

RESULT 337

US-08-232-620A-1628
Sequence 1628, Application US/08292620A
Patent No. 5837542

GENERAL INFORMATION:
APPLICANT: Susan Grimm

APPLICANT: Dan T. Stinchcomb

APPLICANT: James McSwiggen

APPLICANT: Sean Sullivan

APPLICANT: Kenneth G. Draper

TITLE OF INVENTION: RIBOZYME TREATMENT OF

TITLE OF INVENTION: DISEASES OR CONDITIONS

TITLE OF INVENTION: RELATED TO LEVELS OF

TITLE OF INVENTION: INTRACELLULAR ADHESION

TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)

NUMBER OF SEQUENCES: 2390

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

CITY: Suite 4700

STATE: Los Angeles

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A

FILING DATE: August 17, 1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application

PRIOR APPLICATION DATA: described below:

APPLICATION NUMBER: 08/008,895

FILING DATE: January 19, 1993

FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 208/149

TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 1628:

SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-292-620A-1628

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 64.3%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1689 CTCACGCGTGTGG 1702

Db 1 CUACAGCCUGGUGG 14

RESULT 338

US-09-071-845-1628

Sequence 1628, Application US/09071845
Patent No. 6132967

GENERAL INFORMATION:
APPLICANT: Susan Grimm

APPLICANT: Dan T. Stinchcomb

APPLICANT: James McSwiggen

APPLICANT: Sean Sullivan

APPLICANT: Kenneth G. Draper

TITLE OF INVENTION: RIBOZYME TREATMENT OF

TITLE OF INVENTION: DISEASES OR CONDITIONS

TITLE OF INVENTION: RELATED TO LEVELS OF

TITLE OF INVENTION: INTRACELLULAR ADHESION

TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)

NUMBER OF SEQUENCES: 2390

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

CITY: Suite 4700

STATE: Los Angeles

COUNTRY: California

ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620

FILING DATE: August 17, 1994

APPLICATION NUMBER: 08/008,895

FILING DATE: January 19, 1993

APPLICATION NUMBER: 07/989,849

FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 208/149

TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 1628:

SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-071-845-1628

Query Match 7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 64.3%; Pred. No. 2e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1689 CTCACGCGTGTGG 1702

Db 1 CUACAGCCUGGUGG 14

```

RESULT 339
US-09-270-933-6
; Sequence 6, Application US/09270933
; Patent No. 6365375
; GENERAL INFORMATION:
; APPLICANT: Dietmaier, Wolfgang
; APPLICANT: Ruschoff, Josef
; TITLE OF INVENTION: IMPROVED METHOD OF PRIMER-EXTENSION PREAMPLIFICATION
; TITLE OF INVENTION: PCR
; FILE REFERENCE: 4802
; CURRENT APPLICATION NUMBER: US/09/270,933
; CURRENT FILING DATE: 1999-03-16
; EARLIER APPLICATION NUMBER: DE 198 13 317.0
; EARLIER FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer for
; OTHER INFORMATION: Human Genomic Sequence
US-09-270-933-6

Query Match          7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1713 AGGAGTACGAGAT 1726
Db      ||||| |||||
        2 AGCAGTAGGAGAT 15

RESULT 340
US-09-371-772B-5803
; Sequence 5803, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5803
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5803

Query Match          7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 64.3%; Pred. No. 2e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1746 CTCCTATCCTATAA 1759
Db      ||||| :|||
        1 CUCCUUAUCCGAA 14

RESULT 341
US-09-371-772B-5880
; Sequence 5880, Application US/09371772B
```

```

; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5880
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5880

Query Match          7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 64.3%; Pred. No. 2e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1738 CCCAACTCTCCCT 1751
Db      ||||| :|||
        1 CUCAAACUCCUGCU 14

RESULT 342
US-09-371-772B-5912/c
; Sequence 5912, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5912
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5912

Query Match          7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1692 CACGCTGGTGGAG 1705
Db      ||||| :|||
        14 CACGCTGGTGGTAG 1

RESULT 343
US-09-280-409-109/c
; Sequence 109, Application US/09280409
; Patent No. 6107092
```



```
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsert
; APPLICANT: C. Frank Bennett
; APPLICANT: Bert W. O'Malley
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRA EXPRESSION
; FILE REFERENCE: RTS-0048
; CURRENT APPLICATION NUMBER: US/09/280,409
; CURRENT FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 146
; SEQ ID NO 109
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-280-409-109
```

```
Query Match 7.8%; Score 10.8; DB 1; Length 18;
Best Local Similarity 85.7%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1658 ACCAGGCTCACAGC 1671
Db 15 ACCAGGCTTCCAGC 2
|||||
```

```
RESULT 344
US-09-516-667-56
; Sequence 56, Application US/09516667
; Patent No. 6610533
; GENERAL INFORMATION:
; APPLICANT: Inouye, Masayori
; APPLICANT: Wang, Nan
; APPLICANT: Yamanaka, Kunitoshi
; TITLE OF INVENTION: COLD-SHOCK REGULATORY ELEMENTS, CONSTRUCTS THEREOF, AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 1053-00
; CURRENT APPLICATION NUMBER: US/09/516,667
; CURRENT FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 56
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide
US-09-516-667-56
```

```
Query Match 7.5%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1754 CCTAAGGCCCA 1765
Db 2 CCGAAGGCCCA 13
|||||
```

```
RESULT 345
US-08-985-162-1849/c
; Sequence 1849, Application US/08985162
; Patent No. 6057156
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,162
; FILING DATE: 04 December 1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1849:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-985-162-1849
```

```
Query Match 7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1639 CTTGTAGCAGAA 1650
Db 13 CTTGAGCAGAA 2
|||||
```

```
RESULT 346
US-08-535-249-90/c
; Sequence 90, Application US/08535249
; Patent No. 6455889
; GENERAL INFORMATION:
```

```
; APPLICANT: Schlingensiepen, Georg-Ferdinand
; APPLICANT: Brysch, Wolfgang
; APPLICANT: Schlingensiepen, Karl-Hermann
; APPLICANT: Schlingensiepen, Reimar
; APPLICANT: Bogdahn, Ulrich
; TITLE OF INVENTION: Antisense-oligonucleotides for the treatment of
; NUMBER OF SEQUENCES: 137
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman & Stern
; STREET: 400 Seventh St. N.W.
; CITY: Washington D.C.
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/535,249
; FILING DATE:
; CLASSIFICATION: 514
```

```

;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 93 107 089.0
; FILING DATE: 30-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 93 107 849.7
; FILING DATE: 13-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31.409
; REFERENCE/DOCKET NUMBER: 10577/P58418
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 638-6666
; TELEFAX: (202) 393-5350
; TELEX: RCA 248593 IDEA UR
; INFORMATION FOR SEQ ID NO: 90:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: YES
; US-08-535-249-90

Query Match
Best Local Similarity 7.5%; Score 10.4; DB 1; Length 14;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1644 ACAGAGAGCGCA 1655
Db 14 ACAGAGAGCGCA 3

RESULT 347
US-09-401-063-1849/c
; Sequence 1849, Application US/09401063
; Patent No. 6623962
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/401,063
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/985,162
; FILING DATE: 04 December 1997
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107

;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1849:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-401-063-1849

Query Match
Best Local Similarity 7.5%; Score 10.4; DB 1; Length 14;
Matches 11; Conservative 91.7%; 0; Mismatches 1; Indels 0; Gaps 0;

QY 1639 CTTGTAGCAGAA 1650
Db 13 CTTGAAGCAGAA 2

RESULT 348
US-07-783-861C-14/c
; Sequence 14, Application US/07783861C
; Patent No. 5460949
; GENERAL INFORMATION:
; APPLICANT: Saunders, Court A.
; APPLICANT: Wolf, Fred R.
; APPLICANT: Mukharji, Indrani
; TITLE OF INVENTION: A Method and Composition for Increasing
; TITLE OF INVENTION: the Accumulation of Squalene and Specific Sterols in
; TITLE OF INVENTION: Yeast
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amoco Corp., Patents and Licensing Dept.
; STREET: 200 East Randolph St.
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60680-0703
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/783,861C
; FILING DATE: 19911028
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/613,380
; FILING DATE: 15-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Galloway, No. 5460949vall B.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312 856-7180
; TELEFAX: 312 856-4972
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-07-783-861C-14

Query Match
Best Local Similarity 7.5%; Score 10.4; DB 1; Length 15;
Matches 11; Conservative 91.7%; Pred. No. 2.2e+02;
Mismatches 0; Mismatches 1; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAAC 1677
Db 12 CACAGCTGGATC 1
```

RESULT 349
US-08-182-968A-339/c
; Sequence 339, Application US/08182968A
; Patent No. 5610054
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: Storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/182,968A
; FILING DATE: 13-JANUARY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/882,888
; FILING DATE: 14-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 205/277
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 339:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-182-968A-339

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 2.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1695 CGTGGTGGAGT 1706
DB 15 CGTAGTGGAGT 4

RESULT 350
US-08-291-932A-211/c
; Sequence 211, Application US/08291932A
; Patent No. 5658780
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth G.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: NF-KB
; NUMBER OF SEQUENCES: 830
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street

STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A
FILING DATE: August 15, 1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 211:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-291-932A-211

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 2.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1639 CTTGTACGAGAA 1650
DB 12 CTTGTACGAGAA 1

RESULT 351
US-08-363-240A-760
; Sequence 760, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgater, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: Storage
; COMPUTER: IBM Compatible

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Mon Aug 30 09:26:46 2004

```

; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363.240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 760:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-760

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 75.0%; Pred. No. 2.2e+02;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1738 CCCACTCTCC 1749
DB 1 CCCACUCCUUC 12

RESULT 352
US-08-774-306A-339/C
; Sequence 339, Application US/08774306A
; Patent No. 5869253
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/774.306A
; FILING DATE: December 26, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/182,968
; FILING DATE: January 13, 1994
; APPLICATION NUMBER: 07/882,888
; FILING DATE: May 14, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/227
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 339:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-774-306A-339

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 2.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1695 CGTGTGGAAGT 1706
DB 15 CGTAGTGAAGT 4

RESULT 353
US-08-585-684B-1270
; Sequence 1270, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/585.684B
; FILING DATE: January 16, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/000,951
; FILING DATE: July 7, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1270:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-585-684B-1270

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 2.2e+02;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1636 GGGCTTGTAGCA 1647
DB 3 GGGCUUGUACA 14

```

RESULT 354
US-08-232-081B-16
; Sequence 16, Application US/08232081B
; Patent No. 5886152
; GENERAL INFORMATION:
; APPLICANT: NAKATANI, TOMOYUKI
; APPLICANT: GOMI, HIDEYUKI
; APPLICANT: WIDENES, JOHN
; APPLICANT: NOGUCHI, HIROSHI
; TITLE OF INVENTION: HUMANIZED B-B10
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
; STREET: PO BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: US/08/232,081B
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SVENSSON, LEONARD R
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 20-3484
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-232-081B-16

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 2.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1689 CTCACGCTGCT 1700
|||||
Db 1 CTCACGCTGCT 12

RESULT 355
US-09-064-156A-339/c
; Sequence 339, Application US/09064156A
; Patent No. 6132966
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 498
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/064,156A
; FILING DATE: April 21, 1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/774,306
; FILING DATE: December 26, 1996
; APPLICATION NUMBER: 08/182,968
; FILING DATE: January 13, 1994
; APPLICATION NUMBER: 07/882,888
; FILING DATE: May 14, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 234/083
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 339:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-064-156A-339

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 2.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1695 CGTGTGGAAGT 1706
|||||
Db 15 CGTGTGGAAGT 4

RESULT 356
US-09-038-073-1270
; Sequence 1270, Application US/09038073
; Patent No. 6194150
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,073
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,684
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard

```

;
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1270:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; US-09-038-073-1270
;
; Query Match 7.5%; Score 10.4; DB 1; Length 15;
; Best Local Similarity 66.7%; Pred. No. 2.2e+02;
; Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
;
QY 1636 GGGCTGTAGCA 1647
Db 3 GGGCUUGAUCA 14

RESULT 357
US-09-066-046-42/c
; Sequence 42, Application US/09066046A
; Patent No. 6204252
; GENERAL INFORMATION:
; APPLICANT: MURPHY, Cheryl
; STOREY, James
; BELTZ, Gerald A.
; COUGHLIN, Richard T.
; TITLE OF INVENTION: CHARACTERIZATION OF GRANULOCYTIC
; EHRILCHIA AND METHODS OF USE
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HALE AND DORR LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: United States
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/066,046A
; FILING DATE: 24-Apr-1998
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Superko, Colleen
; REGISTRATION NUMBER: 39,850
; REFERENCE/DOCKET NUMBER: 106,941.155
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 42:
;
; US-09-066-046-42
;
; Query Match 7.5%; Score 10.4; DB 1; Length 15;
; Best Local Similarity 91.7%; Pred. No. 2.2e+02;
; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
QY 1642 GTAGCAGAAGGC 1653

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Db 15 GTAGAGAAGGC 4

RESULT 358
US-09-081-646-436
; Sequence 436, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 436
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-081-646-436
;
; Query Match 7.5%; Score 10.4; DB 1; Length 15;
; Best Local Similarity 91.7%; Pred. No. 2.2e+02;
; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
QY 1733 TGGCTCCCAACT 1744
Db 3 TGGATCCCAACT 14

RESULT 359
US-07-991-199D-8/c
; Sequence 8, Application US/07991199D
; Patent No. 5574142
; GENERAL INFORMATION:
; APPLICANT: Meyer Jr., Rich B.
; APPLICANT: Gall, Alexander A.
; APPLICANT: Reed, Michael W.
; TITLE OF INVENTION: Peptide Linkers For Improved
; TITLE OF INVENTION: Oligonucleotide Delivery
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Klein & Szekeres
; STREET: 4199 Campus Drive, Suite 700
; CITY: Irvine
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92715
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/991,199D
; FILING DATE: 15-DEC-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Szekeres, Gabor L.
; REGISTRATION NUMBER: 28,675
; REFERENCE/DOCKET NUMBER: 491-04-PA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (714) 854-5502
; TELEFAX: (714) 854-4897
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
;

```

```
/ LENGTH: 16 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ HYPOTHETICAL: NO
/ ANTI-SENSE: YES
/ ORIGINAL SOURCE:
/ ORGANISM: Hepatitis B virus
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: 1
/ OTHER INFORMATION: /mod_base= OTHER
/
US-07-991-199D-8
Query Match
Best Local Similarity 7.5%; Score 10.4; DB 1; Length 16;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1719 ACGGAGTGGAG 1730
Db 12 ACGAGATGGAG 1

RESULT 360
US-09-371-772B-5910
/ Sequence 5910, Application US/09371772B
/ Patent No. 6566127
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: Pavco, Pam
/ APPLICANT: McSwiggen, Jim
/ APPLICANT: Stinchcomb, Dan
/ APPLICANT: Escobedo, Jaime
/ TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
/ TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
/ FILE REFERENCE: MBH00,876-J (237/198)
/ CURRENT APPLICATION NUMBER: US/09/371,772B
/ CURRENT FILING DATE: 1999-08-10
/ PRIOR APPLICATION NUMBER: US 60/005,974
/ PRIOR FILING DATE: 1995-10-26
/ PRIOR APPLICATION NUMBER: US 08/584,040
/ PRIOR FILING DATE: 1996-01-08
/ NUMBER OF SEQ ID NOS: 14225
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 5910
/ LENGTH: 16
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-09-371-772B-5910

Query Match
Best Local Similarity 7.5%; Score 10.4; DB 1; Length 16;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1648 GAAGGCAAGCAC 1659
Db 1 GAAGGCAAGCGC 12

RESULT 361
US-09-371-772B-7125/c
/ Sequence 7125, Application US/09371772B
/ Patent No. 6566127
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: Pavco, Pam
/ APPLICANT: McSwiggen, Jim
/ APPLICANT: Stinchcomb, Dan
/ APPLICANT: Escobedo, Jaime
/ TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
/ TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
/ FILE REFERENCE: MBH00,876-J (237/198)
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/ CURRENT APPLICATION NUMBER: US/09/371,772B
/ CURRENT FILING DATE: 1999-08-10
/ PRIOR APPLICATION NUMBER: US 60/005,974
/ PRIOR FILING DATE: 1995-10-26
/ PRIOR APPLICATION NUMBER: US 08/584,040
/ PRIOR FILING DATE: 1996-01-08
/ NUMBER OF SEQ ID NOS: 14225
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 7125
/ LENGTH: 16
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-09-371-772B-7125

Query Match
Best Local Similarity 7.5%; Score 10.4; DB 1; Length 16;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1650 AGGCAAGCACCA 1661
Db 14 AGGCAAGAACCA 3

RESULT 362
PCT-US93-12246-8/c
/ Sequence 8, Application PC/TUS9312246
/ GENERAL INFORMATION:
/ APPLICANT: Meyer Jr., Rich B.
/ APPLICANT: Gall, Alexander A.
/ APPLICANT: Reed, Michael W.
/ TITLE OF INVENTION: Peptide Linkers For Improved
/ TITLE OF INVENTION: Oligonucleotide Delivery
/ NUMBER OF SEQUENCES: 12
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Klein & Szekeres
/ STREET: 4199 Campus Drive, Suite 700
/ CITY: Irvine
/ STATE: CA
/ COUNTRY: U.S.A.
/ ZIP: 92715
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US93/12246
/ FILING DATE: 15-DEC-1993
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/991,199
/ FILING DATE: 15-DEC-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Szekeres, Gabor L.
/ REGISTRATION NUMBER: 28,675
/ REFERENCE/DOCKET NUMBER: 491-04-PA
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (714) 854-5502
/ TELEFAX: (714) 854-4897
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 16 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ HYPOTHETICAL: NO
/ ANTI-SENSE: YES
/ ORIGINAL SOURCE:
/ ORGANISM: Hepatitis B virus
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: 1
/ OTHER INFORMATION: /mod_base= OTHER
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OTHER INFORMATION: /note= "Nucleotide 1 is H2N-(CH2)6-OP02-5'-O-C."

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1719 ACAGGATGGAG 1730
Db 12 ACAGGATGGAG 1

RESULT 363
US-08-363-240A-242/c
Sequence 242, Application US/08363240A
Patent No. 5705388
GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaler, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
PREVENTION, INHIBITION OF
PROGRESSION AND REGRESSION
OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 242:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-242

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1668 CAGCTGGAGCCCTGG 1682
Db 15 CAGCTGTGAGCTGG 1

RESULT 364
US-08-136-118-12/c

Sequence 12, Application US/08136118
Patent No. 5580969
GENERAL INFORMATION:
APPLICANT: HOKE, Glenn D
APPLICANT: BRADLEY, Matthews O
APPLICANT: WILLIAMS, Taiffy J
APPLICANT: LEE, Che-Hung
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES DIRECTED
AGAINST HUMAN ICAM-1
TITLE OF INVENTION: AGAINST HUMAN ICAM-1
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Naval Medical Res. & Dev. Cmd.
STREET: 8901 Wisconsin Ave.
CITY: Bethesda
STATE: Maryland
COUNTRY: USA
ZIP: 20889-5606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/136,118
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/918,259
FILING DATE: 24-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Spevack, A. David
REGISTRATION NUMBER: 24,743
REFERENCE/DOCKET NUMBER: N.C. 75,776
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 295-6759
TELEFAX: (202) 295-1022
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
HYPOTHEITICAL: NO
ANTI-SENSE: YES
US-08-136-118-12

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAACC 1678
Db 15 CTCAGAGTTGCAACC 1

RESULT 365
US-08-319-492B-378/c
Sequence 378, Application US/08319492B
Patent No. 5616488
GENERAL INFORMATION:
APPLICANT: Sullivan, Sean M.
APPLICANT: Draper, Kenneth G.
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
RELATED TO LEVELS
OF IL-5
NUMBER OF SEQUENCES: 751
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles

STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/319,492B
FILING DATE: October 7, 1994
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/276
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 378:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-319-492B-378

Two

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1711 TTATGAGTACGACA 1725
Db 15 TTATGAGTACGACA 1

RESULT 366
US-08-291-932A-340
Sequence 340, Application US/08291932A
Patent No. 5658780
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Draper, Kenneth G.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: NF-KB
NUMBER OF SEQUENCES: 830
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A

FILING DATE: August 15, 1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 340:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-291-932A-340

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 46.7%; Pred. No. 2.5e+02;
Matches 7; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1680 TGGTGCTCTCCAG 1694
Db 1 DGGUGUUCUUCUG 15

RESULT 367
US-08-363-240A-227
Sequence 227, Application US/08363240A
Patent No. 5705388
GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaier, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 227:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-227

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 2.5e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1726 TGGAGATTGGCTCC 1740
Db 1 UGGACUUGGCUUC 15

RESULT 369
US-08-311-486C-82/c
; Sequence 82, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth Draper
; APPLICANT: Kevin Kisich
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: TNF-
; NUMBER OF SEQUENCES: 1157
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,486C
; FILING DATE: September 23, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Waiburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/166
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 82:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-311-486C-82

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1639 CTTGTAGCAGAGSC 1653
Db 15 CTGTAGGAGCGGC 1

RESULT 370
US-08-311-486C-151

TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 227:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-227

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 2.5e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1725 ATGGAGATTGGCTCC 1739
Db 1 AUGGACUUGGCUUC 15

RESULT 368
US-08-363-240A-228
; Sequence 228, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaler, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Waiburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 228:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-228

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 2.5e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

; Sequence 151, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth Draper
; APPLICANT: Kevin Kisich
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: TNF-
; NUMBER OF SEQUENCES: 1157
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,486C
; FILING DATE: September 23, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEEX: 67-3510
; INFORMATION FOR SEQ ID NO: 151:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-311-486C-151

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1664 CTCACAGCTGAACC 1678
Db 1 CUGACAUUGGAUC 15

RESULT 371
US-08-311-486C-747
; Sequence 747, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth Draper
; APPLICANT: Kevin Kisich
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen

two

; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: TNF-
; NUMBER OF SEQUENCES: 1157
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,486C
; FILING DATE: September 23, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEEX: 67-3510
; INFORMATION FOR SEQ ID NO: 747:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-311-486C-747

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 2.5e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1676 ACCCTGGTGTCTCT 1690
Db 1 ACCUUGUUGCCUCCU 15

RESULT 372
US-08-292-620A-352
; Sequence 352, Application US/08292620A
; Patent No. 5837542
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon

two

STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION DATA: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 352:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-292-620A-352

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1731 ATTGGCTCCCAACTC 1745
|: |||: ||| |
Db 1 AUAAGGCUCACACAC 15

RESULT 373
US-08-292-620A-424/C
Sequence 424, Application US/08292620A
Patent No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAW-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:

SEQUENCE CHARACTERISTICS:

RESULT 377

```
US-08-585-684B-1201/c
; Sequence 1201, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/585,684B
; FILING DATE: January 16, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/000,951
; FILING DATE: July 7, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Waiburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1201:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-585-684B-1201
Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCAAGCA 1658
Db 15 AGCAGCAGAGCA 1
|||||
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/913,833
FILING DATE: 15 Sep 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP97/00211
FILING DATE: 17 Jan 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 96870005.4
FILING DATE: 26 Jan 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 96870081.5
FILING DATE: 25 Jun 1996
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:008
INFORMATION FOR SEQ ID NO: 61:
MEDIUM TYPE: Floppy disk

US-08-913-833-61/c
; Sequence 61, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, COOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP97/00211
; FILING DATE: 17 Jan 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870005.4
; FILING DATE: 26 Jan 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 61:
; MEDIUM TYPE: Floppy disk

US-08-913-833-61/c
; Sequence 61, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, COOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP97/00211
; FILING DATE: 17 Jan 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870005.4
; FILING DATE: 26 Jan 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 61:
; MEDIUM TYPE: Floppy disk

US-08-913-833-61/c
; Sequence 61, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, COOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP97/00211
; FILING DATE: 17 Jan 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870005.4
; FILING DATE: 26 Jan 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 61:
; MEDIUM TYPE: Floppy disk
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SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-913-833-61

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1691 CCAGCGTGTGGAG 1705
Db 15 CCATCTTGTGGAG 1

RESULT 380

US-08-873-437-24/c
Sequence 24, Application US/08973437
Patent No. 6124092

GENERAL INFORMATION:
APPLICANT: O'Neill, Roger A.
APPLICANT: Chen, Jer-Kang
APPLICANT: Chiesa, Claudia
APPLICANT: Fry, George
TITLE OF INVENTION: Multiplex Polynucleotide Capture
TITLE OF INVENTION: Methods and Compositions
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: PE Applied Biosystems
STREET: 850 Lincoln Centre Drive
CITY: Foster City
STATE: CA
COUNTRY: USA
ZIP: 94404

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/873,437
FILING DATE: 12-JUN-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/027,832
FILING DATE: 04-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bortner, Scott R
REGISTRATION NUMBER: 34,298
REFERENCE/DOCKET NUMBER: 4294
TELEPHONE: 415-638-6245
TELEFAX: 415-638-6071
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-873-437-24

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1636 GCGCTGTAGCAGAA 1650
Db 15 GCGATAGTAGCAGAA 1

RESULT 381

US-09-071-845-352
Sequence 352, Application US/09071845
Patent No. 6132967

GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 352:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-071-845-352

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1731 ATGGCTCCCACTC 1745
Db 1 AUAGGCUCAACAC 15

RESULT 382

US-09-071-845-424/c
Sequence 424, Application US/09071845
Patent No. 6132967

GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb

APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 529:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-071-845-529
Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1650 AGCGAGCAGCAGGC 1664
Db 15 AGCGAGGAAACAGGC 1
RESULT 384
US-09-071-845-529/c
Sequence 529, Application US/09071845
Patent No. 6132967
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION

APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 424:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-071-845-424
Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1650 AGCGAGCAGCAGGC 1664
Db 15 AGCGAGGAAACAGGC 1
RESULT 383
US-09-071-845-529/c
Sequence 529, Application US/09071845
Patent No. 6132967
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,073
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,684
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 263:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-038-073-263

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1715 GAGTACGAGATGGA 1729
||| ||||| |||
Db 15 GAGAAAGAGAGGA 1

RESULT 385
US-09-038-073-1201/c
Sequence 1201, Application US/09038073
Patent No. 6194150
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,073
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,684
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1201:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-038-073-1201

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1644 AGCAGAAGCAAGCA 1658
||||| ||| |||||
Db 15 AGCAGCAGAGAGCA 1

RESULT 386
US-09-580-794C-61/c
Sequence 61, Application US/09580794C
Patent No. 6331389
GENERAL INFORMATION:
APPLICANT: Stuyver, Lieven
APPLICANT: Louwagie, Joost
APPLICANT: Rossau, Rudi
TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
TITLE OF INVENTION: TRANSCRIPTASE GENE
FILE REFERENCE: INNS008--2
CURRENT APPLICATION NUMBER: US/09/580,794C
CURRENT FILING DATE: 2000-05-30
PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
PRIOR FILING DATE: 1997-09-15
PRIOR APPLICATION NUMBER: PCT/EP 97/00211
PRIOR FILING DATE: 1997-01-17
PRIOR APPLICATION NUMBER: EP 96870005.4
PRIOR FILING DATE: 1996-01-26
PRIOR APPLICATION NUMBER: EP 96870081.5
PRIOR FILING DATE: 1996-06-25
NUMBER OF SEQ ID NOS: 164
SOFTWARE: Patentin version 3.0
SEQ ID NO 61
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Synthetic Primer
US-09-580-794C-61

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1691 CCAGCGTGTGGAAG 1705
||| ||| |||||
Db 15 CCATCCTTGTGGAAG 1

RESULT 387
US-09-081-646-342/c
Sequence 342, Application US/09081646
Patent No. 6333152
GENERAL INFORMATION:
APPLICANT: Kinzler, Kenneth
APPLICANT: Vogelstein, Bert
APPLICANT: Zhang, Lin
APPLICANT: Zhou, Wei
TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
Cancer Cells
FILE REFERENCE: 01107.74664
CURRENT APPLICATION NUMBER: US/09/081,646

Mon Aug 30 09:26:46 2004

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; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 342
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-342

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1642 GTAGCAGAGGCAAG 1656
Db 15 GTAGCTGGAGCATG 1

RESULT 388
US-09-081-646-467/c
; Sequence 467, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; EARLIER FILING DATE: 1998-05-20
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 467
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-467

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1701 GGAAGTTGGTTAGG 1715
Db 15 GGCAGTTGGGTCTAG 1

RESULT 389
US-09-011-336-18
; Sequence 18, Application US/09011336
; Patent No. 6472586
; GENERAL INFORMATION:
; APPLICANT: Maliga, Pal
; APPLICANT: Allison, Lori A.
; APPLICANT: Haskiewicz, Peter T.
; TITLE OF INVENTION: Nuclear-Encoded Transcription System in
; TITLE OF INVENTION: Plasmids of Higher Plants
; FILE REFERENCE: Rut-95-08031
; CURRENT APPLICATION NUMBER: US/09/011,336
; CURRENT FILING DATE: 1998-02-10
; PRIOR APPLICATION NUMBER: PCT/US96/12671
; PRIOR FILING DATE: 1996-08-01
; PRIOR APPLICATION NUMBER: 60/002,136
; PRIOR FILING DATE: 1995-08-10
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 18
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-09-011-336-18

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1696 GTGGTGAAGTTGG 1710
Db 1 GTGAAGAAGTTGG 15

RESULT 390
US-09-593-312-24/c
; Sequence 24, Application US/09593312
; Patent No. 6514699
; GENERAL INFORMATION:
; APPLICANT: O'Neill, Roger A.
; APPLICANT: Chen, Jer-Kang
; APPLICANT: Chiesa, Claudia
; APPLICANT: Fry, George
; TITLE OF INVENTION: Multiplex Polynucleotide Capture
; TITLE OF INVENTION: Methods and Compositions
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSER: PE Applied Biosystems
; STREET: 850 Lincoln Centre Drive
; CITY: Foster City
; STATE: CA
; COUNTRY: USA
; ZIP: 94404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DCS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/593,312
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/873,437
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Boitner, Scott R
; REGISTRATION NUMBER: 34,298
; REFERENCE/DOCKET NUMBER: 4294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-638-6245
; TELEFAX: 415-638-6071
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-593-312-24

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1636 GGGCTTGTAGCAGAA 1650
Db 15 GCGATAGTAGCAGAA 1

RESULT 391
US-07-696-793A-17
```

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/ Sequence 17, Application US/07696793A
/ Patent No. 5220004
/ GENERAL INFORMATION:
/ APPLICANT: Saiki, Randall K.
/ APPLICANT: Nasarabadi, Shanavaz L.
/ TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
/ TITLE OF INVENTION: Typing
/ NUMBER OF SEQUENCES: 58
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: Cetus Corporation
/ STREET: 1400 Fifty-Third Street
/ CITY: Emeryville
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 94608
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
/ COMPUTER: Apple Macintosh
/ OPERATING SYSTEM: Macintosh 6.0.5
/ SOFTWARE: WordPerfect
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/696,793A
/ FILING DATE: 19910507
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kevin R. Kaster
/ REGISTRATION NUMBER: 32704
/ REFERENCE/DOCKET NUMBER: 2598
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 420-3444
/ TELEFAX: (415) 658-5239
/ INFORMATION FOR SEQ ID NO: 17:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 base pairs
/ TYPE: NUCLEIC ACID
/ STRANDEDNESS: single stranded
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other nucleic acid
US-07-696-793A-17

Query Match 7.3%; Score 10.2; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 3.8e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1657 CACCAGGCTCACAGC 1671
Db ||||| |||
5 CACCAGGCTTCACC 19

RESULT 392
US-07-977-694-17
/ Sequence 17, Application US/07977694
/ Patent No. 5273883
/ GENERAL INFORMATION:
/ APPLICANT: Saiki, Randall K.
/ APPLICANT: Nasarabadi, Shanavaz L.
/ TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
/ TITLE OF INVENTION: Typing
/ NUMBER OF SEQUENCES: 58
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: Hoffmann-La Roche Inc.
/ STREET: 340 Kingsland Street
/ CITY: Nutley
/ STATE: New Jersey
/ COUNTRY: U.S.A.
/ ZIP: 07110-1199
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
/ COMPUTER: Apple Macintosh
/ OPERATING SYSTEM: Macintosh 6.0.5
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/ SOFTWARE: WordPerfect
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/977,694
/ FILING DATE: 19921117
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Stacey R. Sias, Ph.D.
/ REGISTRATION NUMBER: 32,630
/ REFERENCE/DOCKET NUMBER: 8733
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (510) 814-2863
/ TELEFAX: (510) 814-2977
/ INFORMATION FOR SEQ ID NO: 17:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 base pairs
/ TYPE: NUCLEIC ACID
/ STRANDEDNESS: single stranded
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other nucleic acid
US-07-977-694-17

Query Match 7.3%; Score 10.2; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 3.8e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1657 CACCAGGCTCACAGC 1671
Db ||||| |||
5 CACCAGGCTTCACC 19

RESULT 393
US-08-171-718-43/c
/ Sequence 43, Application US/08171718
/ Patent No. 5707863
/ GENERAL INFORMATION:
/ APPLICANT: Trofatter, James A.
/ APPLICANT: MacCollin, Mia M.
/ APPLICANT: Gusella, James F.
/ TITLE OF INVENTION: Tumor Suppressor Gene Merlin and Uses
/ TITLE OF INVENTION: Thereof
/ NUMBER OF SEQUENCES: 120
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Sterne, Kessler, Goldstein & Fox
/ STREET: 1100 New York Avenue, N.W., Suite 600
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20005-3934
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/171,718
/ FILING DATE: 22-DEC-1993
/ CLASSIFICATION: 436
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/108,808
/ FILING DATE: 19-AUG-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/022,034
/ FILING DATE: 25-FEB-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/026,063
/ FILING DATE: 04-MAR-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brown, Anne
/ REGISTRATION NUMBER: 36,463
/ REFERENCE/DOCKET NUMBER: 0609.3850003
```

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Mon Aug 30 09:26:46 2004

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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-171-718-43
Query Match 7.2%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1659 CCAGGCTCAC 1668
DB 10 CCAGGCTCAC 1

RESULT 394
US-08-388-353-425/c
; Sequence 425, Application US/08388353
; Patent No. 6010895
; GENERAL INFORMATION:
; APPLICANT: Deacon, Nicholas J.
; APPLICANT: Learnmont, Jennifer C.
; APPLICANT: McPhee, Dale A.
; APPLICANT: Crowe, Suzanne
; APPLICANT: Cooper, David
; TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
; NUMBER OF SEQUENCES: 800
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Scully, Scott, Murphy & Presser
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: New York
; COUNTRY: United States
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/388,353
; FILING DATE: 14-FEB-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Digiglio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 9606
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 501:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-388-353-501
Query Match 7.2%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1661 AGGCTCACAG 1670
DB 10 AGGCTCACAG 1

RESULT 396
US-08-388-353-502/c
; Sequence 502, Application US/08388353
; Patent No. 6010895
; GENERAL INFORMATION:
; APPLICANT: Deacon, Nicholas J.
; APPLICANT: Learnmont, Jennifer C.
; APPLICANT: McPhee, Dale A.
; APPLICANT: Crowe, Suzanne
; APPLICANT: Cooper, David
; TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
; NUMBER OF SEQUENCES: 800
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Scully, Scott, Murphy & Presser
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: New York
; COUNTRY: United States

```

;/ ZIP: 11530
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0, Version #1.25
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/388,353
;/ FILING DATE: 14-FEB-1995
;/ CLASSIFICATION: 424
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Digiglio, Frank S.
;/ REGISTRATION NUMBER: 31,346
;/ REFERENCE/DOCKET NUMBER: 9606
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (516) 742-4343
;/ TELEFAX: (516) 742-4366
;/ TELEX: 230 901 SANS UR
;/ INFORMATION FOR SEQ ID NO: 502:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 10 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA (genomic)
;/ US-08-388-353-502

Query Match 7.2%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred.No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1660 CAGGCTCACA 1669
Db 10 CAGGCTCACA 1

RESULT 397
US-08-488-551B-425/c
; Sequence 425, Application US/08488551B
; Patent No. 6015661
; GENERAL INFORMATION:
; APPLICANT: Nicholas J. Deacon
; APPLICANT: Dale A. McPhee
; APPLICANT: David Cooper
; TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
; NUMBER OF SEQUENCES: 841
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
; STREET: 400 GARDEN CITY PLAZA
; CITY: GARDEN CITY
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 11530-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,551B
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PM3864 (AU)
; FILING DATE: 14-FEB-1994
; APPLICATION NUMBER: PM4002 (AU)
; FILING DATE: 21-FEB-1994
; APPLICATION NUMBER: PM0284 (AU)
; FILING DATE: 23-DEC-1994
; APPLICATION NUMBER: US 08/388,353
; FILING DATE: 14-FEB-1995
; APPLICATION NUMBER: PM3021/95
; ATTORNEY/AGENT INFORMATION:
; NAME: Digiglio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 9606
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; INFORMATION FOR SEQ ID NO: 501:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-488-551B-501

;/ NAME: FRANK S. DIGIGLIO
;/ REFERENCE/DOCKET NUMBER: 9606Z
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (516) 742-4343
;/ TELEFAX: (516) 742-4366
;/ INFORMATION FOR SEQ ID NO: 425:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 10 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA
;/ US-08-488-551B-425

Query Match 7.2%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred.No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1638 GCTTGTCAGCA 1647
Db 10 GCTTGTCAGCA 1

RESULT 398
US-08-488-551B-501/c
; Sequence 501, Application US/08488551B
; Patent No. 6015661
; GENERAL INFORMATION:
; APPLICANT: Nicholas J. Deacon
; APPLICANT: Dale A. McPhee
; APPLICANT: David Cooper
; TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
; NUMBER OF SEQUENCES: 841
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
; STREET: 400 GARDEN CITY PLAZA
; CITY: GARDEN CITY
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 11530-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,551B
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PM3864 (AU)
; FILING DATE: 14-FEB-1994
; APPLICATION NUMBER: PM4002 (AU)
; FILING DATE: 21-FEB-1994
; APPLICATION NUMBER: PM0284 (AU)
; FILING DATE: 23-DEC-1994
; APPLICATION NUMBER: US 08/388,353
; FILING DATE: 14-FEB-1995
; APPLICATION NUMBER: PM3021/95
; FILING DATE: 17-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: FRANK S. DIGIGLIO
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 9606Z
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; INFORMATION FOR SEQ ID NO: 501:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-488-551B-501

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Mon Aug 30 09:26:46 2004

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Query Match 7.2%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1661 AGGCTCACAG 1670
Db 10 AGGCTCACAG 1

RESULT 399
US-08-488-551B-502/c
; Sequence 502, Application US/08488551B
; Patent No. 6015661
; GENERAL INFORMATION:
; APPLICANT: Nicholas J. Deacon
; APPLICANT: Dale A. McPhee
; APPLICANT: David Cooper
; TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
; NUMBER OF SEQUENCES: 841
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
; STREET: 400 GARDEN CITY PLAZA
; CITY: GARDEN CITY
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 11530-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,551B
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PM3864 (AU)
; FILING DATE: 14-FEB-1994
; APPLICATION NUMBER: PM4002 (AU)
; FILING DATE: 21-FEB-1994
; APPLICATION NUMBER: PM0284 (AU)
; FILING DATE: 23-DEC-1994
; APPLICATION NUMBER: US 08/388,353
; FILING DATE: 14-FEB-1995
; APPLICATION NUMBER: PM3021/95
; FILING DATE: 17-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: FRANK S. DIGIGLIO
; REFERENCE/DOCKET NUMBER: 9606Z
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; INFORMATION FOR SEQ ID NO: 819:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-488-551B-819

Query Match 7.2%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1661 AGGCTCACAG 1670
Db 10 AGGCTCACAG 1

RESULT 401
US-08-488-551B-820/c
; Sequence 820, Application US/08488551B
; Patent No. 6015661
; GENERAL INFORMATION:
; APPLICANT: Nicholas J. Deacon
; APPLICANT: Dale A. McPhee
; APPLICANT: David Cooper
; TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
; NUMBER OF SEQUENCES: 841
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
; STREET: 400 GARDEN CITY PLAZA
; CITY: GARDEN CITY
; STATE: NEW YORK
; COUNTRY: U.S.A.

Query Match 7.2%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1660 CAGGCTCACA 1669
Db 10 CAGGCTCACA 1

RESULT 400
US-08-488-551B-819/c
; Sequence 819, Application US/08488551B
```

ZIP: 11530-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,551B
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PM3864 (AU)
FILING DATE: 14-FEB-1994
APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PM0284 (AU)
FILING DATE: 23-DEC-1994
APPLICATION NUMBER: US 08/388,353
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PM3021/95
FILING DATE: 17-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGILIO
REFERENCE/DOCKET NUMBER: 9606Z
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
INFORMATION FOR SEQ ID NO: 820:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-488-551B-820

Query Match 7.2%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1660 CAGGCTCACA 1669
Db 10 CAGGCTCACA 1

RESULT 402
US-08-478-087-43/c
Sequence 43, Application US/08478087
Patent No. 607685
GENERAL INFORMATION:
APPLICANT: Trofatter, James A.
APPLICANT: MacCollin, Mia M.
APPLICANT: Gusella, James F.
TITLE OF INVENTION: Tumor Suppressor Gene Merlin and Uses
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1100 New York Avenue, N.W., Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,087
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/171,718

FILING DATE: 22-DEC-1993
APPLICATION NUMBER: US 08/108,808
FILING DATE: 19-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/022,034
FILING DATE: 25-FEB-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/026,063
FILING DATE: 04-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Anne
REGISTRATION NUMBER: 36,463
REFERENCE/DOCKET NUMBER: 0609.3850003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-478-087-43

Query Match 7.2%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1659 CCAGGCTCAC 1669
Db 10 CCAGGCTCAC 1

RESULT 403
US-08-173-489C-255
Sequence 255, Application US/08173489C
Patent No. 5861244
GENERAL INFORMATION:
APPLICANT: WANG, C. -G.
APPLICANT: HEPBURN, A. G.
TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
NUMBER OF SEQUENCES: 365
CORRESPONDENCE ADDRESS:
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
STREET: 510 EAST 73RD STREET,
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10021.
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/DOCKET NUMBER: U9518-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1890
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 255:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid

```

; STRANDEDNESS: double stranded
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; DESCRIPTION: 238 rRNA gene from Micrococcus luteus
; DESCRIPTION: (Accession # X06484) nucleotides 2795 to 2806
; HYPOTHETICAL: no
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Micrococcus luteus
; STRAIN: dm 20030
; PUBLICATION INFORMATION:
; AUTHORS: Regensburger, A, Ludwig, W, Frank, R,
; AUTHORS: Bloecker, H, Schleifer, K H.
; TITLE: Complete nucleotide sequence
; TITLE: of a 238 ribosomal RNA gene from Micrococcus
; TITLE: luteus
; JOURNAL: Nucleic Acids Research
; VOLUME: 16
; PAGES: 2344-2344
; DATE: 1988
; RELEVANT RESIDUES IN SEQ ID NO: 255 :FROM 1 TO 12
;
US-08-173-489C-255
;
Query Match 7.2%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1747 TCCCTATCCT 1756
Db 1 TCCCTATCCT 10

RESULT 404
US-08-889-502-3
; Sequence 3, Application US/08889502
; Patent No. 6066726
; GENERAL INFORMATION:
; APPLICANT: Farb, David H
; APPLICANT: Russek, Shelley J
; TITLE OF INVENTION: GENE THERAPY VECTOR WITH TISSUE
; TITLE OF INVENTION: SPECIFICITY
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kevin M. Farrell
; STREET: P.O. Box 999
; CITY: York Harbor
; STATE: ME
; COUNTRY: USA
; ZIP: 03911
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/889,502
; FILING DATE: 08-JUL-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Farrell, Kevin M
; REGISTRATION NUMBER: 35,505
; REFERENCE/DOCKET NUMBER: 0146-2008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (207) 363-0558
; TELEFAX: (207) 363-0528
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
;
US-08-889-502-3
;
Query Match 7.2%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1721 GGAGATGGAG 1730
Db 2 GGAGATGGAG 11

RESULT 406
US-08-192-943-11/c
; Sequence 11, Application US/08192943
; Patent No. 6544755
; GENERAL INFORMATION:
; APPLICANT: James D. Thompson
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: TREATMENT OF DISEASES CAUSED
; TITLE OF INVENTION: BY EXPRESSION OF THE c-MYC
; TITLE OF INVENTION: GENE
; NUMBER OF SEQUENCES: 41

```


Query Match	7.2%	Score 10;	DB 1;	Length 12;
Best Local Similarity	100.0%	Pred. No. 1.8e+02;		

TITLE OF INVENTION: Soluble Peptides Having Constrained, Secondary Conformation in Solution and Method of Making
TITLE OF INVENTION: Secondary Conformation in Solution and Method of Making

Mon Aug 30 09:26:46 2004

OTHER INFORMATION: /note= "N = X (used in Table VI),
OTHER INFORMATION: which represents an equal mixture of all four
OTHER INFORMATION: nucleotides."

US-08-440-787A-128

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 83.3%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1718 TACGAGATGGA 1729
Db 15 TNGGAGATGGA 4

RESULT 409
US-08-292-620A-105/c
; Sequence 105, Application US/08292620A
; Patent No. 5837542

GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 105:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-292-620A-105

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1670 GCTGGAACCC 1679

Db 12 GCTGGAACCC 3

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-08-292-620A-106/c
; Sequence 106, Application US/08292620A
; Patent No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 106:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-292-620A-106

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1670 GCTGGAACCC 1679

Db 12 GCTGGAACCC 3

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-08-292-620A-106

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1670 GCTGGAACCC 1679

Db 12 GCTGGAACCC 3

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1670 GCTGGAACCC 1679
Db 13 GCTGGAACCC 4

RESULT 410

US-08-292-620A-106/c
; Sequence 106, Application US/08292620A
; Patent No. 5837542

GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 106:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-292-620A-106

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1670 GCTGGAACCC 1679

Db 12 GCTGGAACCC 3

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-08-292-620A-106

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1670 GCTGGAACCC 1679

Db 12 GCTGGAACCC 3

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-08-292-620A-106

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1670 GCTGGAACCC 1679

Db 12 GCTGGAACCC 3

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-08-292-620A-106

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1670 GCTGGAACCC 1679

Db 12 GCTGGAACCC 3

RESULT 411

US-09-071-845-105/c
; Sequence 105, Application US/09071845
; Patent No. 6132967
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,845
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620
; FILING DATE: August 17, 1994
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 105:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-845-105

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1670 GCTGGAACCC 1679

Db 13 GCTGGAACCC 4

RESULT 412

US-09-071-845-106/c
; Sequence 106, Application US/09071845
; Patent No. 6132967
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb

; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,845
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620
; FILING DATE: August 17, 1994
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 106:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-845-106

Query Match 7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1670 GCTGGAACCC 1679

Db 12 GCTGGAACCC 3

RESULT 413

US-09-377-310-26
; Sequence 26, Application US/09377310B
; Patent No. 6133031
; GENERAL INFORMATION:
; APPLICANT: Monia, Brett P.
; APPLICANT: Gaarde, William A.
; TITLE OF INVENTION: Antisense Modulation of Focal Adhesion Kinase
; TITLE OF INVENTION: Expression
; FILE REFERENCE: ISPH-0389
; CURRENT APPLICATION NUMBER: US/09/377,310B
; CURRENT FILING DATE: 1999-08-19
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0

schultz139-3.rni

Mon Aug 30 09:26:46 2004

```

; SEQ ID NO 26
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-377-310-26

Query Match          7.2%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1645 GCAGAAGCA 1654
Db 5 GCAGAAGCA 14

RESULT 414
US-08-227-370-2
; Sequence 2, Application US/08227370
; Patent No. 5559207
; GENERAL INFORMATION:
; APPLICANT: Sessler, Jonathan L.
; APPLICANT: Smith, Daniel A.
; APPLICANT: Miller, Richard
; APPLICANT: Ross, Kevin
; APPLICANT: Wright, Meredith
; APPLICANT: Hemmi, Gregory W.
; APPLICANT: Dow, William C.
; APPLICANT: Kral, Vladimir
; APPLICANT: Iverson, Brent
; APPLICANT: Magda, Darren
; TITLE OF INVENTION: Texaphyrin Metal Complex Mediated Ester
; TITLE OF INVENTION: Hydrolysis
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/227,370
; FILING DATE: 14-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UT5B:562
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/320-7200
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-227-370-2

Query Match          7.2%; Score 10; DB 1; Length 20;
Best Local Similarity 72.2%; Pred. No. 4.1e+02;
Matches 13; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1668 CAGCTGGAAACCTGGTGT 1685
Db 1 CATCTGTGAGCCGGTGT 18

RESULT 416
US-08-458-347-1
; Sequence 1, Application US/08458347
; Patent No. 5798491
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; TITLE OF INVENTION: Multi-Mechanistic Chemical Cleavage Using Certain
; TITLE OF INVENTION: Metal Complexes
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacys, Inc.
; STREET: 995 E. Arques Ave.

```

```

Db 1 CATCTGTGAGCCGGTGT 18

RESULT 415
US-08-486-962-4
; Sequence 4, Application US/08486962
; Patent No. 5763172
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; APPLICANT: Wright, Meredith
; APPLICANT: Ross, Kevin L.
; APPLICANT: Miller, Richard A.
; APPLICANT: Dow, William C.
; APPLICANT: Kral, Vladimir A.
; APPLICANT: Smith, Daniel A.
; TITLE OF INVENTION: METHOD OF PHOSPHATE ESTER HYDROLYSIS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacys, Inc.
; STREET: 995 E. Arques Avenue
; CITY: Sunnyvale
; STATE: California
; COUNTRY: USA
; ZIP: 94086-4521
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,962
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Jacqueline S.
; REGISTRATION NUMBER: 30,279
; REFERENCE/DOCKET NUMBER: PHAY:053
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (408) 774-0330
; TELEFAX: (408) 774-0340
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-486-962-4

Query Match          7.2%; Score 10; DB 1; Length 20;
Best Local Similarity 73.2%; Pred. No. 4.1e+02;
Matches 13; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1668 CAGCTGGAAACCTGGTGT 1685
Db 1 CATCTGTGAGCCGGTGT 18

RESULT 416
US-08-458-347-1
; Sequence 1, Application US/08458347
; Patent No. 5798491
; GENERAL INFORMATION:
; APPLICANT: Magda, Darren
; APPLICANT: Sessler, Jonathan L.
; TITLE OF INVENTION: Multi-Mechanistic Chemical Cleavage Using Certain
; TITLE OF INVENTION: Metal Complexes
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacys, Inc.
; STREET: 995 E. Arques Ave.

```

[illegible]

```
;
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US94-06284-2

Query Match      7.2%  Score 10; DB 1; Length 20;
Best Local Similarity 72.2%  Pred. No. 4.1e+02;
Matches 13; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1668 CAGCTGGAACCCGTGGT 1685
    |||||
Db 1 CATCTGTGAGCCGGTGT 18

RESULT 419
US-09-198-452A-6714
; Sequence 6714, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Grifftais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6714
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6714

Query Match      7.2%  Score 10; DB 1; Length 20;
Best Local Similarity 100.0%  Pred. No. 4.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1746 CTCCTATCC 1755
    |||||
Db 10 CTCCTATCC 19

RESULT 420
US-08-544-381B-19/c
; Sequence 19, Application US/08544381B
; Patent No. 6027880
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles Garrett
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Chee, Mark
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, Macdonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes for Detecting Cystic Fibrosis
; NUMBER OF SEQUENCES: 250
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/544,381B
; FILING DATE: 10-OCT-1995
```

```
;
; APPLICATION NUMBER: US/08/544,381B
; FILING DATE: 10-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/510,521
; FILING DATE: 02-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/12305
; FILING DATE: 26-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/284,064
; FILING DATE: 02-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-0041300S
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (cligonucleotide)
US-08-544-381B-19
```

```
Query Match      7.1%  Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%  Pred. No. 2.3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1649 AAGCGACGACCA 1661
    |||||
Db 13 AGGCGAGACCA 1
```

```
RESULT 421
US-08-544-381B-23/c
; Sequence 23, Application US/08544381B
; Patent No. 6027880
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles Garrett
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Chee, Mark
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, Macdonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes for Detecting Cystic Fibrosis
; NUMBER OF SEQUENCES: 250
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/544,381B
; FILING DATE: 10-OCT-1995
```

CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/510,521
FILING DATE: 02-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/12305
FILING DATE: 26-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/284,064
FILING DATE: 02-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joe
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 018547-004130US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
US-08-544-381B-23

Query Match 7.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1649 AAGCAGCACCA 1661
Db 13 AGGCAGCACCA 1

RESULT 422
US-08-544-381B-24/c
Sequence 24, Application US/08544381B
Patent No. 6027880
GENERAL INFORMATION:
APPLICANT: Cronin, Maureen T.
APPLICANT: Miyada, Charles Garrett
APPLICANT: Hubbell, Earl A.
APPLICANT: Chee, Mark
APPLICANT: Fodor, Stephen P.A.
APPLICANT: Huang, Xiaohua C.
APPLICANT: Lipshutz, Robert J.
APPLICANT: Lobban, Peter E.
APPLICANT: Morris, Macdonald S.
APPLICANT: Sheldon, Edward L.
TITLE OF INVENTION: Arrays of Nucleic Acid Probes for
TITLE OF INVENTION: Detecting Cystic Fibrosis
NUMBER OF SEQUENCES: 250
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/544,381B
FILING DATE: 10-OCT-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/510,521
FILING DATE: 02-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/12305
FILING DATE: 26-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/284,064
FILING DATE: 02-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joe
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 018547-004130US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
US-08-544-381B-24

Query Match 7.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1649 AAGCAGCACCA 1661
Db 13 AGGCAGCACCA 1

RESULT 423
US-08-544-381B-26/c
Sequence 26, Application US/08544381B
Patent No. 6027880
GENERAL INFORMATION:
APPLICANT: Cronin, Maureen T.
APPLICANT: Miyada, Charles Garrett
APPLICANT: Hubbell, Earl A.
APPLICANT: Chee, Mark
APPLICANT: Fodor, Stephen P.A.
APPLICANT: Huang, Xiaohua C.
APPLICANT: Lipshutz, Robert J.
APPLICANT: Lobban, Peter E.
APPLICANT: Morris, Macdonald S.
APPLICANT: Sheldon, Edward L.
TITLE OF INVENTION: Arrays of Nucleic Acid Probes for
TITLE OF INVENTION: Detecting Cystic Fibrosis
NUMBER OF SEQUENCES: 250
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/544,381B
FILING DATE: 10-OCT-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/510,521
FILING DATE: 02-AUG-1995

Field	Value	Field	Value	Field	Value	Field	Value
PRIOR APPLICATION DATA:	PCT/US94/12305	PRIOR APPLICATION DATA:	PCT/US94/12305	PRIOR APPLICATION DATA:	PCT/US94/12305	PRIOR APPLICATION DATA:	PCT/US94/12305
APPLICATION NUMBER:	US 08/284,064	APPLICATION NUMBER:	US 08/284,064	APPLICATION NUMBER:	US 08/284,064	APPLICATION NUMBER:	US 08/284,064
FILING DATE:	26-OCT-1994	FILING DATE:	26-OCT-1994	FILING DATE:	26-OCT-1994	FILING DATE:	26-OCT-1994
PRIOR APPLICATION DATA:		PRIOR APPLICATION DATA:		PRIOR APPLICATION DATA:		PRIOR APPLICATION DATA:	
APPLICATION NUMBER:	US 08/284,064	APPLICATION NUMBER:	US 08/284,064	APPLICATION NUMBER:	US 08/284,064	APPLICATION NUMBER:	US 08/284,064
FILING DATE:	02-AUG-1994	FILING DATE:	02-AUG-1994	FILING DATE:	02-AUG-1994	FILING DATE:	02-AUG-1994
PRIOR APPLICATION DATA:		PRIOR APPLICATION DATA:		PRIOR APPLICATION DATA:		PRIOR APPLICATION DATA:	
APPLICATION NUMBER:	US 08/143,312	APPLICATION NUMBER:	US 08/143,312	APPLICATION NUMBER:	US 08/143,312	APPLICATION NUMBER:	US 08/143,312
FILING DATE:	26-OCT-1993	FILING DATE:	26-OCT-1993	FILING DATE:	26-OCT-1993	FILING DATE:	26-OCT-1993
ATTORNEY/AGENT INFORMATION:		ATTORNEY/AGENT INFORMATION:		ATTORNEY/AGENT INFORMATION:		ATTORNEY/AGENT INFORMATION:	
NAME:	Liebeschuetz, Joe	NAME:	Liebeschuetz, Joe	NAME:	Liebeschuetz, Joe	NAME:	Liebeschuetz, Joe
REGISTRATION NUMBER:	37,505	REGISTRATION NUMBER:	37,505	REGISTRATION NUMBER:	37,505	REGISTRATION NUMBER:	37,505
REFERENCE/DOCKET NUMBER:	018547-004130US	REFERENCE/DOCKET NUMBER:	018547-004130US	REFERENCE/DOCKET NUMBER:	018547-004130US	REFERENCE/DOCKET NUMBER:	018547-004130US
TELEPHONE:	415-576-0200	TELEPHONE:	415-576-0200	TELEPHONE:	415-576-0200	TELEPHONE:	415-576-0200
TELEFAX:	415-576-0300	TELEFAX:	415-576-0300	TELEFAX:	415-576-0300	TELEFAX:	415-576-0300
INFORMATION FOR SEQ ID NO:	26:	INFORMATION FOR SEQ ID NO:	26:	INFORMATION FOR SEQ ID NO:	26:	INFORMATION FOR SEQ ID NO:	26:
SEQUENCE CHARACTERISTICS:		SEQUENCE CHARACTERISTICS:		SEQUENCE CHARACTERISTICS:		SEQUENCE CHARACTERISTICS:	
LENGTH:	13 base pairs	LENGTH:	13 base pairs	LENGTH:	13 base pairs	LENGTH:	13 base pairs
TYPE:	nucleic acid	TYPE:	nucleic acid	TYPE:	nucleic acid	TYPE:	nucleic acid
STRANDEDNESS:	single	STRANDEDNESS:	single	STRANDEDNESS:	single	STRANDEDNESS:	single
TOPOLOGY:	linear	TOPOLOGY:	linear	TOPOLOGY:	linear	TOPOLOGY:	linear
MOLECULE TYPE:	DNA (oligonucleotide)	MOLECULE TYPE:	DNA (oligonucleotide)	MOLECULE TYPE:	DNA (oligonucleotide)	MOLECULE TYPE:	DNA (oligonucleotide)
US-08-544-381B-26		US-08-544-381B-26		US-08-544-381B-26		US-08-544-381B-26	
Query Match	7.1%; Score 9.8; DB 1; Length 13;	Query Match	7.1%; Score 9.8; DB 1; Length 13;	Query Match	7.1%; Score 9.8; DB 1; Length 13;	Query Match	7.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity	84.6%; Pred. No. 2.3e+02;	Best Local Similarity	84.6%; Pred. No. 2.3e+02;	Best Local Similarity	84.6%; Pred. No. 2.3e+02;	Best Local Similarity	84.6%; Pred. No. 2.3e+02;
Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;	Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;	Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;	Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY	1649 AAGGCAAGCACCA 1661	QY	1649 AAGGCAAGCACCA 1661	QY	1649 AAGGCAAGCACCA 1661	QY	1649 AAGGCAAGCACCA 1661
Db	13 AGGCAATCACCA 1	Db	13 AGGCAATCACCA 1	Db	13 AGGCAATCACCA 1	Db	13 AGGCAATCACCA 1
RESULT 424		RESULT 425		RESULT 426		RESULT 427	
US-08-544-381B-28/c		US-08-544-381B-29/c		US-08-544-381B-30/c		US-08-544-381B-31/c	
Sequence 28, Application US/08544381B		Sequence 29, Application US/08544381B		Sequence 30, Application US/08544381B		Sequence 31, Application US/08544381B	
Patent No. 6027880		Patent No. 6027880		Patent No. 6027880		Patent No. 6027880	
GENERAL INFORMATION:		GENERAL INFORMATION:		GENERAL INFORMATION:		GENERAL INFORMATION:	
APPLICANT: Cronin, Maureen T.		APPLICANT: Cronin, Maureen T.		APPLICANT: Cronin, Maureen T.		APPLICANT: Cronin, Maureen T.	
APPLICANT: Miyada, Charles Garrett		APPLICANT: Miyada, Charles Garrett		APPLICANT: Miyada, Charles Garrett		APPLICANT: Miyada, Charles Garrett	
APPLICANT: Hubbell, Earl A.		APPLICANT: Hubbell, Earl A.		APPLICANT: Hubbell, Earl A.		APPLICANT: Hubbell, Earl A.	
APPLICANT: Chee, Mark		APPLICANT: Chee, Mark		APPLICANT: Chee, Mark		APPLICANT: Chee, Mark	
APPLICANT: Fodor, Stephen P.A.		APPLICANT: Fodor, Stephen P.A.		APPLICANT: Fodor, Stephen P.A.		APPLICANT: Fodor, Stephen P.A.	
APPLICANT: Huang, Xiaohua C.		APPLICANT: Huang, Xiaohua C.		APPLICANT: Huang, Xiaohua C.		APPLICANT: Huang, Xiaohua C.	
APPLICANT: Lippshutz, Robert J.		APPLICANT: Lippshutz, Robert J.		APPLICANT: Lippshutz, Robert J.		APPLICANT: Lippshutz, Robert J.	
APPLICANT: Lobban, Peter E.		APPLICANT: Lobban, Peter E.		APPLICANT: Lobban, Peter E.		APPLICANT: Lobban, Peter E.	
APPLICANT: Morris, Macdonald S.		APPLICANT: Morris, Macdonald S.	</				

APPLICATION NUMBER: US 08/284,064
FILING DATE: 02-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joe
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 018547-004130US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
US-08-544-391B-29

Query Match 7.1% Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1649 AAGGCAAGCACCA 1661
Db 13 AGGGCAACACCA 1

RESULT 426

US-08-778-794A-77/c
Sequence 77, Application US/08778794A
Patent No. 6309823
GENERAL INFORMATION:
APPLICANT: Cronin, Maureen T.
APPLICANT: Miyada, Charles Garrett
APPLICANT: Hubbell, Earl A.
APPLICANT: Chee, Mark
APPLICANT: Fodor, Stephen P.A.
APPLICANT: Huang, Xiaohua C.
APPLICANT: Lipshutz, Robert J.
APPLICANT: Lobban, Peter E.
APPLICANT: Morris, MacDonald S.
APPLICANT: Sheldon, Edward L.
TITLE OF INVENTION: Arrays of Nucleic Acid Probes
NUMBER OF SEQUENCES: 156
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/778,794A
FILING DATE: 03-JAN-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993
APPLICATION NUMBER: US 08/284,064
FILING DATE: 02-AUG-1994
APPLICATION NUMBER: WO PCT/US94/12305
FILING DATE: 26-OCT-1994
APPLICATION NUMBER: US 08/510,521
FILING DATE: 02-AUG-1995

APPLICATION NUMBER: US 08/544,381
FILING DATE: 10-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joe
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 018547-015700US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0200
TELEX:
INFORMATION FOR SEQ ID NO: 77:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-778-794A-77

Query Match 7.1% Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1649 AAGGCAAGCACCA 1661
Db 13 AGGGCGAGCACCA 1

RESULT 427

US-08-778-794A-81/c
Sequence 81, Application US/08778794A
Patent No. 6309823
GENERAL INFORMATION:
APPLICANT: Cronin, Maureen T.
APPLICANT: Miyada, Charles Garrett
APPLICANT: Hubbell, Earl A.
APPLICANT: Chee, Mark
APPLICANT: Fodor, Stephen P.A.
APPLICANT: Huang, Xiaohua C.
APPLICANT: Lipshutz, Robert J.
APPLICANT: Lobban, Peter E.
APPLICANT: Morris, MacDonald S.
APPLICANT: Sheldon, Edward L.
TITLE OF INVENTION: Arrays of Nucleic Acid Probes
NUMBER OF SEQUENCES: 156
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/778,794A
FILING DATE: 03-JAN-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993
APPLICATION NUMBER: US 08/284,064
FILING DATE: 02-AUG-1994
APPLICATION NUMBER: WO PCT/US94/12305
FILING DATE: 26-OCT-1994
APPLICATION NUMBER: US 08/510,521
FILING DATE: 02-AUG-1995
APPLICATION NUMBER: US 08/544,381
FILING DATE: 10-OCT-1995

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-015700US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0200
; TELEX:
; INFORMATION FOR SEQ ID NO: 81:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-778-794A-81
;
; Query Match 7.1%; Score 9.8; DB 1; Length 13;
; Best Local Similarity 84.6%; Pred. No. 2.3e+02;
; Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
QY 1649 AAGGCAAGCACCACCA 1661
DB 13 AGGCGACGACCA 1

RESULT 428
US-08-778-794A-84/C
; Sequence 84, Application US/08778794A
; Patent No. 6309823
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles Garrett
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Chee, Mark
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, MacDonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes
; NUMBER OF SEQUENCES: 156
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,794A
; FILING DATE: 03-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; APPLICATION NUMBER: US 08/284,064
; FILING DATE: 02-AUG-1994
; APPLICATION NUMBER: WO PCT/US94/12305
; FILING DATE: 26-OCT-1994
; APPLICATION NUMBER: US 08/510,521
; FILING DATE: 26-OCT-1994
; APPLICATION NUMBER: US 08/544,381
; FILING DATE: 10-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-015700US
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-015700US

```

```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0200
; TELEX:
; INFORMATION FOR SEQ ID NO: 86:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-778-794A-86

Query Match          7.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1649 AAGGCAAGCACCA 1661
Db 13 AGGCAACACCA 1

RESULT 430
US-08-778-794A-87/c
; Sequence 87, Application US/08778794A
; Patent No. 6309823
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles Garrett
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Chee, Mark
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobb, Peter E.
; APPLICANT: Morris, MacDonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes
; TITLE OF INVENTION: for Analyzing Biotransformation Genes
; NUMBER OF SEQUENCES: 156
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,794A
; FILING DATE: 03-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; APPLICATION NUMBER: US 08/284,064
; FILING DATE: 02-AUG-1994
; APPLICATION NUMBER: WO PCT/US94/12305
; FILING DATE: 26-OCT-1994
; APPLICATION NUMBER: US 08/510,521
; FILING DATE: 02-AUG-1995
; APPLICATION NUMBER: US 08/544,381
; FILING DATE: 10-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-015700US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0200
; TELEX:
; INFORMATION FOR SEQ ID NO: 87:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-778-794A-87

Query Match          7.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1649 AAGGCAAGCACCA 1661
Db 13 AGGCAACACCA 1

RESULT 431
US-09-922-445-16/c
; Sequence 16, Application US/09922445
; Patent No. 6528268
; GENERAL INFORMATION:
; APPLICANT: Andersson, Maria K.
; APPLICANT: Berglund, Lars G. T.
; APPLICANT: Reneland, Rikard H.
; APPLICANT: Adam, Gail I. R.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTION OF HEART FAILURE
; FILE REFERENCE: GGI26US
; CURRENT APPLICATION NUMBER: US/09/922,445
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 13
; TYPE: DNA
; ORGANISM: synthetic
US-09-922-445-16

Query Match          7.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1662 GGCTCAGACTGG 1674
Db 13 GGCTCAGACTGG 1

RESULT 432
US-09-922-445-26
; Sequence 26, Application US/09922445
; Patent No. 6528268
; GENERAL INFORMATION:
; APPLICANT: Andersson, Maria K.
; APPLICANT: Berglund, Lars G. T.
; APPLICANT: Reneland, Rikard H.
; APPLICANT: Adam, Gail I. R.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTION OF HEART FAILURE
; FILE REFERENCE: GGI26US
; CURRENT APPLICATION NUMBER: US/09/922,445
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 13
; TYPE: DNA
; ORGANISM: synthetic
US-09-922-445-26

Query Match          7.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.3e+02;
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Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1662 GGCTCAGACTGG 1674
|||||
Db 1 GGCTCAGACTGG 13

RESULT 433
US-08-913-833-8
; Sequence 8, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP97/00211
; FILING DATE: 17 Jan 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870005.4
; FILING DATE: 26 Jan 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-913-833-8

Query Match 7.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1719 ACGGATGGAGA 1731
|||||
Db 1 ACAGATGGAAA 13

RESULT 434
US-08-913-833-8
; Sequence 8, Application US/09580794C
; Patent No. 6331389
; GENERAL INFORMATION:
; APPLICANT: Stuyver, Lieven
; APPLICANT: Louwagie, Joost

; APPLICANT: Rossau, Rudi
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
; TITLE OF INVENTION: TRANSCRIPTASE GENE
; FILE REFERENCE: INNS008--2
; CURRENT APPLICATION NUMBER: US/09/580,794C
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
; PRIOR FILING DATE: 1997-09-15
; PRIOR APPLICATION NUMBER: PCT/EP 97/00211
; PRIOR FILING DATE: 1997-01-17
; PRIOR APPLICATION NUMBER: EP 96870005.4
; PRIOR FILING DATE: 1996-01-26
; PRIOR APPLICATION NUMBER: EP 96870081.5
; PRIOR FILING DATE: 1996-06-25
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 8
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Primer
US-09-580-794C-8

Query Match 7.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1719 ACGGATGGAGA 1731
|||||
Db 1 ACAGATGGAAA 13

RESULT 435
US-09-328-174A-40/c
; Sequence 40, Application US/09328174A
; Patent No. 6448003
; GENERAL INFORMATION:
; APPLICANT: Guida, Marco
; APPLICANT: Kurth, Janice
; TITLE OF INVENTION: Genotyping Human Phenol Sulfotransferase
; TITLE OF INVENTION: (STP2)
; FILE REFERENCE: 4389-6 (formerly SEQ-16P)
; CURRENT APPLICATION NUMBER: US/09/328,174A
; CURRENT FILING DATE: 1999-06-08
; PRIOR APPLICATION NUMBER: 09/328,174
; PRIOR FILING DATE: 1999-06-08
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 40
; LENGTH: 14
; TYPE: DNA
; ORGANISM: H. sapiens
US-09-328-174A-40

Query Match 7.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1641 TGTAGCAGAGGC 1653
|||||
Db 14 TGTGCGAGCAGGC 2

RESULT 436
US-09-230-652-23
; Sequence 23, Application US/09230652A
; Patent No. 6537775
; GENERAL INFORMATION:
; APPLICANT: Tournier-Lasserre, Elisabeth
; APPLICANT: Joutel, Anne
; APPLICANT: Bousser, Marie-Germaine
; APPLICANT: Bach, Jean-Francois

```
; TITLE OF INVENTION: GENE INVOLVED IN CADASIL, METHOD OF DIAGNOSIS AND
; FILE REFERENCE: 03715.0048-00000
; CURRENT APPLICATION NUMBER: US/09/230,652A
; CURRENT FILING DATE: 1999-05-17
; EARLIER APPLICATION NUMBER: FR 96 09733
; EARLIER FILING DATE: 1996-08-01
; EARLIER APPLICATION NUMBER: FR 97 04680
; EARLIER FILING DATE: 1997-04-16
; EARLIER APPLICATION NUMBER: PCT/FR97/01433
; EARLIER FILING DATE: 1997-07-31
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-230-652-23

Query Match          7.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1666 CACAGCTGGGAACC 1678
DB 2 CACAGGTGGGACC 14

RESULT 437
US-08-050-073-153
; Sequence 153, Application US/08050073
; Patent No. 5567809
; GENERAL INFORMATION:
; APPLICANT: Apple, Raymond J.
; APPLICANT: Begovich, Ann B.
; APPLICANT: Bugawan, Teodorica L.
; APPLICANT: Erlich, Henry A. L.
; APPLICANT: Griffith, Robert L.
; APPLICANT: Scharf, Stephen J.
; TITLE OF INVENTION: Methods and Reagents for HLA DRbeta DNA
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 315
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/050,073
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Petry, Douglas A.
; REGISTRATION NUMBER: 35,321
; REFERENCE/DOCKET NUMBER: 8769
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2974
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 153:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; MOLECULE TYPE: genomic DNA
US-08-050-073-153

Query Match          7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1639 CTTGTAGCAGAAG 1651
DB 3 CCTGGAGCAGAAG 15

RESULT 438
US-08-182-968A-29
; Sequence 29, Application US/08182968A
; Patent No. 5610054
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/182,968A
; FILING DATE: 13-JANUARY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/882,888
; FILING DATE: 14-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Wardburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 205/277
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; APPLICATION NUMBER: US-08-182-968A-29

Query Match          7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 69.2%; Pred. No. 3e+02;
Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1749 CCTATCCTAAAGG 1761
DB 3 CCUAUCCCAAGG 15

RESULT 439
US-08-182-968A-483/c
; Sequence 483, Application US/08182968A
; Patent No. 5610054
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
```

; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/182,968A
; FILING DATE: 13-JANUARY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/882,888
; FILING DATE: 14-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 205/277
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 494:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-182-968A-494
;
; Query Match 7.1%; Score 9.8; DB 1; Length 15;
; Best Local Similarity 84.6%; Pred. No. 3e+02;
; Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; QY 1728 GAGATTGGCTCC 1740
; DB 13 GTGATTAGCTCCC 1
;
; RESULT 441
; US-08-291-932A-8
; Sequence 8, Application US/08291932A
; Patent No. 5638780
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth G.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: NF-KB
; NUMBER OF SEQUENCES: 830
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/291,932A
; FILING DATE: August 15, 1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/157

TWO

; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/182,968A
; FILING DATE: 13-JANUARY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/882,888
; FILING DATE: 14-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 205/277
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 483:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-182-968A-483
;
; Query Match 7.1%; Score 9.8; DB 1; Length 15;
; Best Local Similarity 84.6%; Pred. No. 3e+02;
; Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; QY 1642 GTAGCAGAGGCA 1654
; DB 15 GTAGGAGTAGGCA 3
;
; RESULT 440
; US-08-182-968A-494/c
; Sequence 494, Application US/08182968A
; Patent No. 5610054
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-291-932A-8

Query Match 7.1%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 61.5%; Pred. No. 3e+02;
 Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1689 CTCACGCTGGTG 1701
 Db 3 CUCCUACGGUGG 15

RESULT 442

US-08-291-932A-54/c
 ; Sequence 54, Application US/08291932A
 ; Patent No. 5658780

GENERAL INFORMATION:
 APPLICANT: Stinchcomb, Dan T.
 APPLICANT: Draper, Kenneth G.
 APPLICANT: McSwiggen, James
 TITLE OF INVENTION: RIBOZYME TREATMENT OF
 TITLE OF INVENTION: DISEASES OR CONDITIONS
 TITLE OF INVENTION: RELATED TO LEVELS OF
 TITLE OF INVENTION: NF-KB
 NUMBER OF SEQUENCES: 830
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/291,932A
 FILING DATE: August 15, 1994

CLASSIFICATION: 514
 PRIOR APPLICATION DATA: including application
 PRIOR APPLICATION DATA: described below:

APPLICATION NUMBER: 08/245,466
 FILING DATE: May 18, 1994
 APPLICATION NUMBER: 07/987,132
 FILING DATE: December 7, 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 208/157
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 54:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

Two

US-08-291-932A-54

Query Match 7.1%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 3e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1712 TAGGAGTACGGAG 1724
 Db 14 TCGGCGTACGGAG 2

RESULT 443

US-08-291-932A-159
 ; Sequence 159, Application US/08291932A
 ; Patent No. 5658780

GENERAL INFORMATION:
 APPLICANT: Stinchcomb, Dan T.
 APPLICANT: Draper, Kenneth G.
 APPLICANT: McSwiggen, James
 TITLE OF INVENTION: RIBOZYME TREATMENT OF
 TITLE OF INVENTION: DISEASES OR CONDITIONS
 TITLE OF INVENTION: RELATED TO LEVELS OF
 TITLE OF INVENTION: NF-KB
 NUMBER OF SEQUENCES: 830
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/291,932A
 FILING DATE: August 15, 1994

CLASSIFICATION: 514
 PRIOR APPLICATION DATA: including application
 PRIOR APPLICATION DATA: described below:

APPLICATION NUMBER: 08/245,466
 FILING DATE: May 18, 1994
 APPLICATION NUMBER: 07/987,132
 FILING DATE: December 7, 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 208/157
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 159:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

US-08-291-932A-159

Query Match 7.1%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 69.2%; Pred. No. 3e+02;
 Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1738 CCCAACTCCTCCC 1750
 Db 1 CCCAGCUCGCGC 13

Two

TITLE OF INVENTION: DISEASES OR CONDITIONS
 TITLE OF INVENTION: RELATED TO LEVELS OF
 TITLE OF INVENTION: NF-KB
 NUMBER OF SEQUENCES: 830
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Suite 4700
 STATE: Los Angeles
 COUNTRY: California
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/291,932A
 FILING DATE: August 15, 1994
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 PRIOR APPLICATION DATA: including application
 PRIOR APPLICATION DATA: described below:
 APPLICATION NUMBER: 08/245,466
 FILING DATE: May 18, 1994
 APPLICATION NUMBER: 07/987,132
 FILING DATE: December 7, 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 208/157
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 189:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-291-932A-189
 Query Match 7.1%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 65.2%; Pred. No. 3e-02;
 Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1738 CCCAACTCCTCCC 1750
 Db 1 CCCAGCUCGCGCC 13

RESULT 446
 US-08-291-932A-339
 Sequence 339, Application US/08291932A
 Patent No. 5658780
 GENERAL INFORMATION:
 APPLICANT: Stinchcomb, Dan T.
 APPLICANT: Draper, Kenneth G.
 APPLICANT: McSwiggen, James
 TITLE OF INVENTION: RIBOZYME TREATMENT OF
 TITLE OF INVENTION: DISEASES OR CONDITIONS
 TITLE OF INVENTION: RELATED TO LEVELS OF
 TITLE OF INVENTION: NF-KB
 NUMBER OF SEQUENCES: 830
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Suite 4700
 STATE: Los Angeles
 COUNTRY: California

RESULT 444
 US-08-291-932A-161
 Sequence 161, Application US/08291932A
 Patent No. 5658780
 GENERAL INFORMATION:
 APPLICANT: Stinchcomb, Dan T.
 APPLICANT: Draper, Kenneth G.
 APPLICANT: McSwiggen, James
 TITLE OF INVENTION: RIBOZYME TREATMENT OF
 TITLE OF INVENTION: DISEASES OR CONDITIONS
 TITLE OF INVENTION: RELATED TO LEVELS OF
 TITLE OF INVENTION: NF-KB
 NUMBER OF SEQUENCES: 830
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Suite 4700
 STATE: Los Angeles
 COUNTRY: California
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/291,932A
 FILING DATE: August 15, 1994
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 PRIOR APPLICATION DATA: including application
 PRIOR APPLICATION DATA: described below:
 APPLICATION NUMBER: 08/245,466
 FILING DATE: May 18, 1994
 APPLICATION NUMBER: 07/987,132
 FILING DATE: December 7, 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 208/157
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 161:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-291-932A-161
 Query Match 7.1%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 69.2%; Pred. No. 3e-02;
 Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1738 CCCAACTCCTCCC 1750
 Db 1 CCCAGCUCGCGCC 13

RESULT 445
 US-08-291-932A-189
 Sequence 189, Application US/08291932A
 Patent No. 5658780
 GENERAL INFORMATION:
 APPLICANT: Stinchcomb, Dan T.
 APPLICANT: Draper, Kenneth G.
 APPLICANT: McSwiggen, James
 TITLE OF INVENTION: RIBOZYME TREATMENT OF


```

; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/291,932A
; FILING DATE: August 15, 1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 07/987,132
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 339:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-291-932A-339

```

Two

```

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 46.2%; Pred. No. 3e+02;
Matches 6; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

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QY 1680 TGGTGCTCTCC 1692
Db 2 UGGUGUCCUUC 14

```

```

RESULT 447
US-08-291-932A-348
; Sequence 348, Application US/08291932A
; Patent No. 5658780
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth G.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: NF-KB
; NUMBER OF SEQUENCES: 830
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/291,932A

```

```

; FILING DATE: August 15, 1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 07/987,132
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 348:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-291-932A-348

```

Two

```

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 69.2%; Pred. No. 3e+02;
Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1738 CCCAAGUCCG 1750
Db 1 CCCAAGUCCG 13

```

```

RESULT 448
US-08-393-219-8
; Sequence 8, Application US/08393219
; Patent No. 5689040
; GENERAL INFORMATION:
; APPLICANT: HARADA, John J.
; TITLE OF INVENTION: PLANT PROMOTER SEQUENCES USEFUL FOR GENE
; TITLE OF INVENTION: EXPRESSION IN SEEDS AND SEEDLINGS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Street tower, 20th
; STREET: Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/393,219
; FILING DATE: 23-FEB-1995
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 2307E-581
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

```

RESULT 450
US-08-305-699-1/c
Application US/08305699

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 684:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-363-240A-684

Query Match          7.1%   Score 9.8; DB 1; Length 15;
Best Local Similarity 46.2%; Pred.No. 3e+02;
Matches 6; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy 1680 TGGTGTCTCTCC 1692
   :||:|:|:|
Db 2 UGGUGUCUCUC 14

RESULT 453
US-08-221-816B-21/c
; Sequence 21, Application US/08221816B
; Patent No. 5738985
; GENERAL INFORMATION:
; APPLICANT: Miles, Vincent J.
; APPLICANT: Mathews, Michael B.
; APPLICANT: Katze, Michael G.
; APPLICANT: Witherell, Gary
; APPLICANT: Watson, Julia C.
; TITLE OF INVENTION: METHOD FOR SELECTIVE INACTIVATION
; TITLE OF INVENTION: OF VIRAL REPLICATION

```

```

CORRESPONDENCE ADDRESS:
ADDRESS: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
Zip: 10036/2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/221,816B
FILING DATE: 01-APR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7960-030
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-221-816B-21

Query Match      7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1672 TGGAAACCTGGTG 1684
| ||||| |||

```

APPLICANT: Sean Sullivan
APPLICANT: Kenneth Draper
APPLICANT: Kevin Kisich
APPLICANT: Dan T. Stinchcomb
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TNF-
NUMBER OF SEQUENCES: 1157
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,486C
FILING DATE: September 23, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/166
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 485-1600
TELEFAX: (213) 955-6440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 78:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-311-486C-78

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0

Qy 1707 TGGGTTAGGAGTA 1719
Db 13 TGGGTGAGGAGCA 1

RESULT 456
US-08-311-486C-600/c
Sequence 600, Application US/08311486C
Patent No. 5811300
GENERAL INFORMATION:
APPLICANT: Sean Sullivan
APPLICANT: Kenneth Draper
APPLICANT: Kevin Kisich
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF

Db 13 TCGAACCCAGGTG 1

RESULT 454
US-08-311-486C-77/c
; Sequence 77, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth Draper
; APPLICANT: Kevin Kisich
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: TNF-
; NUMBER OF SEQUENCES: 1157
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311.486C
; FILING DATE: September 23, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008.895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989.849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/166
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-311-486C-77

QY 1708 GGGTTAGGAGTAC 1720
15 GGGTGAGGAGCAC 3

Db

RESULT 455
US-08-311-486C-78/c
; Sequence 78, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
; Query Match 7.1%; Score 9.8; DB 1; Length 15;
; Best Local Similarity 84.6%; Pred. No. 3e+02;
; Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
; TITLE OF INVENTION: TNF-  
; NUMBER OF SEQUENCES: 1157  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Suite 4700  
; STATE: Los Angeles  
; COUNTRY: California  
; ZIP: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/311,486C  
; FILING DATE: September 23, 1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; PRIOR APPLICATION DATA: including application  
; PRIOR APPLICATION DATA: described below:  
; APPLICATION NUMBER: 08/008,895  
; FILING DATE: January 19, 1993  
; APPLICATION NUMBER: 07/989,849  
; FILING DATE: December 7, 1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 209/166  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 600:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-311-486C-600
```

```
Query Match 7.1%; Score 9.8; DB 1; Length 15;  
Best Local Similarity 84.6%; Pred. No. 3e+02;  
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1707 TGGGTAGGAGTA 1719  
Db 13 TGGGTAGGAGCA 1
```

```
RESULT 457  
US-08-311-486C-621/c  
; Sequence 621, Application US/08311486C  
; Patent No. 5811300  
; GENERAL INFORMATION:  
; APPLICANT: Sean Sullivan  
; APPLICANT: Kenneth Draper  
; APPLICANT: Kevin Kisich  
; APPLICANT: Dan T. Stinchcomb  
; APPLICANT: James McSwiggen  
; TITLE OF INVENTION: RIBOZYME TREATMENT OF  
; TITLE OF INVENTION: DISEASES OR CONDITIONS  
; TITLE OF INVENTION: RELATED TO LEVELS OF  
; TITLE OF INVENTION: TNF-  
; NUMBER OF SEQUENCES: 1157  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Suite 4700  
; STATE: Los Angeles  
; COUNTRY: California
```

```
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/311,486C  
; FILING DATE: September 23, 1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; PRIOR APPLICATION DATA: including application  
; PRIOR APPLICATION DATA: described below:  
; APPLICATION NUMBER: 08/008,895  
; FILING DATE: January 19, 1993  
; APPLICATION NUMBER: 07/989,849  
; FILING DATE: December 7, 1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 209/166  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 621:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-311-486C-621
```

```
Query Match 7.1%; Score 9.8; DB 1; Length 15;  
Best Local Similarity 84.6%; Pred. No. 3e+02;  
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1668 CAGCTGGAACCOCT 1680  
Db 15 CAGCTGGAGACT 3
```

```
RESULT 458  
US-08-311-486C-622/c  
; Sequence 622, Application US/08311486C  
; Patent No. 5811300  
; GENERAL INFORMATION:  
; APPLICANT: Sean Sullivan  
; APPLICANT: Kenneth Draper  
; APPLICANT: Kevin Kisich  
; APPLICANT: Dan T. Stinchcomb  
; APPLICANT: James McSwiggen  
; TITLE OF INVENTION: RIBOZYME TREATMENT OF  
; TITLE OF INVENTION: DISEASES OR CONDITIONS  
; TITLE OF INVENTION: RELATED TO LEVELS OF  
; TITLE OF INVENTION: TNF-  
; NUMBER OF SEQUENCES: 1157  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Suite 4700  
; STATE: Los Angeles  
; COUNTRY: California  
; ZIP: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1
```

```
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,486C
; FILING DATE: September 23, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/166
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 622:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-311-486C-622

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1668 CAGCTGGAACCT 1680
DB 14 CAGCTGGAAGACT 2

RESULT 459
US-08-292-620A-500
; Sequence 500, Application US/08292620A
; Patent No. 5837542
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620A
; FILING DATE: August 17, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/166
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 622:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-311-486C-622
```

```
;
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 500:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-292-620A-500

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 61.5%; Pred. No. 3e+02;
Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

OY 1743 CTCCTCCCTATCC 1755
DB 3 CUCCUCCAUCC 15

RESULT 460
US-08-173-489C-277
; Sequence 277, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 277:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double stranded
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; DESCRIPTION: 16S rRNA gene from Alcaligenes
```

two

DESCRIPTION: faecalis (Accession # M22508, M22467)
HYPOTHETICAL: no
ANTI-SENSE: no
ORIGINAL SOURCE: Alcaligenes faecalis
PUBLICATION INFORMATION:
AUTHORS: Dewhirst, F E, Paster, B J, Bright,
AUTHORS: P.L.
TITLE: Chromobacterium, Bikenella,
TITLE: Kingella, Neisseria, Simonsiella and
TITLE: Vitreoscilla species comprise a major branch of
TITLE: the beta group Proteobacteria by 16S rRNA
TITLE: sequence comparison
JOURNAL: International Journal of Systematic
JOURNAL: Biology
VOLUME: 0
PAGES: 0-0
DATE: 1990
RELEVANT RESIDUES IN SEQ ID NO: 277 :FROM 1 TO 15
US-08-173-489C-277

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1698 GGTGGAAGTTGGG 1710
DB 1 GGAGGAAGTGGG 13

RESULT 461
US-08-173-489C-283
Sequence 283, Application US/08173489C
Patent No. 5861244
GENERAL INFORMATION:
APPLICANT: WANG, C. -G.
APPLICANT: HEPBURN, A. G.
TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
NUMBER OF SEQUENCES: 365
CORRESPONDENCE ADDRESS:
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
STREET: 510 EAST 73RD STREET,
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10021.
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/DOCKET NUMBER: U9518-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1880
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 283:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: double stranded
TOPOLOGY: linear

MOLECULE TYPE: genomic DNA
DESCRIPTION: 16s rRNA gene from *Coxiella burnetii*
HYPOTHETICAL: no
ANTI-SENSE: no
ORIGINAL SOURCE: *Coxiella burnetii*
PUBLICATION INFORMATION:
AUTHORS: Weisburg, W G, Dobson, M E, Samuel, J E,
AUTHORS: Dasch, G A, Mallavia, L P, Mandelco, L,
AUTHORS: Sechrest, J E, Weiss, E, Woese, C R.
TITLE: Phylogenetic diversity of the
TITLE: Rickettsiae
JOURNAL: Journal of Bacteriology
VOLUME: 171
PAGES: 4202-4206
DATE: 1989
RELEVANT RESIDUES IN SEQ ID NO: 283 :FROM 1 TO 15
US-08-173-489C-283

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1698 GGTGGAAGTTGGG 1710
DB 1 GGAGGAAGTGGG 13

RESULT 462
US-08-173-489C-327
Sequence 327, Application US/08173489C
Patent No. 5861244
GENERAL INFORMATION:
APPLICANT: WANG, C. -G.
APPLICANT: HEPBURN, A. G.
TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
NUMBER OF SEQUENCES: 365
CORRESPONDENCE ADDRESS:
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
STREET: 510 EAST 73RD STREET,
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10021.
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/DOCKET NUMBER: U9518-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1880
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 327:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: double stranded
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
DESCRIPTION: 16s rRNA gene from *Mycobacterium*

```

; DESCRIPTION: paratuberculosis (Accession # M29569)
; DESCRIPTION: nucleotides 1159 to 1173
; HYPOTHETICAL: no
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium paratuberculosis
; PUBLICATION INFORMATION:
; AUTHORS: Stahl, D A, Urbance, J W.
; TITLE: The division between fast-
; TITLE: and slow-growing species corresponds to natural
; TITLE: relationships among the mycobacteria
; JOURNAL: Journal of Bacteriology
; VOLUME: 172
; PAGES: 116-124
; DATE: 1989
; RELEVANT RESIDUES IN SEQ ID NO: 327 :FROM 1 TO 15
US-08-173-489C-327

```

```

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1698 GGTGGAAGTTGGG 1710
||| ||||| |||||
Db 1 GGAGGAGGTGGG 13

```

```

RESULT 463
US-08-173-489C-337
; Sequence 337, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 337:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double stranded
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; DESCRIPTION: 16S rRNA gene from Neisseria
; DESCRIPTION: gonorrhoeae (Accession # X07714) nucleotides
; DESCRIPTION: 1174 to 1188

```

```

; HYPOTHETICAL: no
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Neisseria gonorrhoeae
; STRAIN: NCTC 83785
; PUBLICATION INFORMATION:
; AUTHORS: Rossau, R, Heyndrickx, L, van
; AUTHORS: Heuvels, H.
; TITLE: Nucleotide sequence of a 16S
; TITLE: ribosomal RNA gene from Neisseria gonorrhoeae
; JOURNAL: Nucleic Acids Research
; VOLUME: 16
; PAGES: 6227-6227
; DATE: 1988
; RELEVANT RESIDUES IN SEQ ID NO: 337 :FROM 1 TO 15
US-08-173-489C-337

```

```

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1698 GGTGGAAGTTGGG 1710
||| ||||| |||||
Db 1 GGAGGAGGTGGG 13

```

```

RESULT 464
US-08-173-489C-343
; Sequence 343, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 343:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double stranded
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; DESCRIPTION: 16S rRNA gene from Pseudomonas cepacia
; DESCRIPTION: (Accession # M22518, M22467) nucleotides 1165
; HYPOTHETICAL: no
; ANTI-SENSE: no

```


;
; ORIGINAL SOURCE:
; ORGANISM: Pseudomonas cepacea
; PUBLICATION INFORMATION:
; AUTHORS: Dewhurst, F E, Paster, B J, Bright, P L.
; TITLE: Chromobacterium, Eikenella,
; TITLE: Kingella, Neisseria, Simonsiella and
; TITLE: Vitreoscilla species comprise a major branch of
; TITLE: the beta group Proteobacteria by 16S rRNA
; TITLE: sequence comparison
; JOURNAL: International Journal of Systematic
; JOURNAL: Bacteriology
; VOLUME: 0
; PAGES: 0-0
; DATE: 1990
; RELEVANT RESIDUES IN SEQ ID NO: 343 :FROM 1 TO 15
US-08-173-489C-343

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred.No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1698 GGTGGAAGTTGGG 1710
||| ||||| |||||
Db 1 GGAGGAGGTGGG 13

RESULT 465

US-08-173-489C-347
; Sequence 347, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 347:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double stranded
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; DESCRIPTION: 16S rRNA gene from Streptococcus
; DESCRIPTION: parasanguis (Accession # X53652) nucleotides
; DESCRIPTION: 1178 to 1192
; HYPOTHETICAL: no

;
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus parasanguis
; STRAIN: 85-81
; PUBLICATION INFORMATION:
; AUTHORS: Whaley, R A, Fraser, H Y, Douglas, C W
; AUTHORS: I, Hardie, J M, Williams, A M, Collins, M D.
; TITLE: Streptococcus parasanguis sp
; TITLE: nov., an atypical viridans Streptococcus from
; TITLE: human clinical specimens
; JOURNAL: FEMS Microbiology Letters
; VOLUME: 68
; PAGES: 115-122
; DATE: 1990
; RELEVANT RESIDUES IN SEQ ID NO: 347 :FROM 1 TO 15
US-08-173-489C-347

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred.No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1698 GGTGGAAGTTGGG 1710
||| ||||| |||||
Db 1 GGAGGAGGTGGG 13

RESULT 466

US-08-774-306A-29
; Sequence 29, Application US/08774306A
; Patent No. 5869253
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/774,306A
; FILING DATE: December 26, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/182,968
; FILING DATE: January 13, 1994
; APPLICATION NUMBER: 07/882,888
; FILING DATE: May 14, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/227
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-774-306A-29

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 69.2%; Pred. No. 3e+02;
Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1749 CCTATCCTAAAGG 1761
DB 3 CCUAUCCCCAAGG 15

RESULT 467
US-08-774-306A-483/c
; Sequence 483, Application US/08774306A
; Patent No. 5869253

; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; INHIBITING HEPATITIS C
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/774,306A
FILING DATE: December 26, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: May 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 223/227
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 483:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-774-306A-483

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1642 GTAGCAGAGGCA 1654
DB 15 GTAGGAGTAGGCA 3

RESULT 468
US-08-774-306A-494/c
; Sequence 494, Application US/08774306A
; Patent No. 5869253
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.

; TITLE OF INVENTION: METHOD AND REAGENT FOR
; INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/774,306A
FILING DATE: December 26, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: May 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 223/227
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 494:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-774-306A-494

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1728 GAGATTGGCTCCC 1740
DB 13 GTGATTAGCTCCC 1

RESULT 469
US-08-585-684B-186
; Sequence 186, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

;; MEDIUM TYPE: storage
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: IBM P.C. DOS 5.0
;; SOFTWARE: FastSeq Version 1.5
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/585,684B
;; FILING DATE: January 16, 1996
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 60/000,951
;; FILING DATE: July 7, 1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warburg, Richard
;; REGISTRATION NUMBER: 32,327
;; REFERENCE/DOCKET NUMBER: 218/078
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;; INFORMATION FOR SEQ ID NO: 186:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-08-585-684B-186

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 53.8%; Pred. No. 3e+02;
Matches 7; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 1682 GTGTCCTCTCCAG 1694
Db 2 GUGUCUACUAG 14
|.:|.:|.:|.:|

RESULT 470
US-08-585-684B-1364/c
; Sequence 1364, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; COUNTRY: California
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/585,684B
; FILING DATE: January 16, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/000,951
; FILING DATE: July 7, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600

;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;; INFORMATION FOR SEQ ID NO: 1364:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-08-585-684B-1364

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1667 ACAGCTGGAAACC 1679
Db 15 ACAGCTGTATCC 3
|:|:|:|:|:|:|

RESULT 471
US-08-585-684B-2048
; Sequence 2048, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; COUNTRY: California
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/585,684B
; FILING DATE: January 16, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/000,951
; FILING DATE: July 7, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2048:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-585-684B-2048

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 53.8%; Pred. No. 3e+02;
Matches 7; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 1679 CTGCTGTCTCTC 1691
|:|:|:|:|:|:|

Db 1 CUGGUCACCC 13

RESULT 472

US-08-182-067-11/c
; Sequence 11, Application US/08182067
; Patent No. 5985279

GENERAL INFORMATION:

APPLICANT: WALDMANN, HERMAN
APPLICANT: SIMS, MARTIN
TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST CD18
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg Ernst & Kurz
STREET: Suite 701-E, 555 Thirteenth St., N.W.
CITY: Washington
STATE: D. C.
COUNTRY: U.S.A.
ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/182,067
FILING DATE: 23-MAR-1994
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/GB92/01289
FILING DATE: 15-JUL-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9115364.3
FILING DATE: 16-JUL-1991

ATTORNEY/AGENT INFORMATION:

NAME: ERNST, BARBARA G.
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1786-118A
TELEPHONE: (202)783-6040
TELEFAX: (202)783-6031

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cdna
ORIGINAL SOURCE:
ORGANISM: Rattus rattus
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..15
OTHER INFORMATION: /function= "CDR 1"
FEATURE:
NAME/KEY: CDS
LOCATION: 1..15
US-08-182-067-11

Query Match 7.1%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 3e+02; Mismatches 0; Indels 2; Gaps 0;

QY 1645 GCAGAGGCGAAGC 1657

Db 13 GCAGAGGCGTAATC 1

RESULT 473

US-08-465-313-11/c
; Sequence 11, Application US/08465313
; Patent No. 5997867

GENERAL INFORMATION:

APPLICANT: WALDMANN, HERMAN
APPLICANT: SIMS, MARTIN J.
APPLICANT: CROME, J. SCOTT
TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST CD18
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
STREET: TWO MILITIA DRIVE
CITY: LEXINGTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,313
FILING DATE: 05-JUN-1995
CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/182,067
FILING DATE: 23-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/GB92/01289
FILING DATE: 15-JUL-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9115364.3
FILING DATE: 16-JUL-1991

ATTORNEY/AGENT INFORMATION:

NAME: BROOK, DAVID E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: LYNX91-01A2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cdna
ORIGINAL SOURCE:
ORGANISM: Rattus rattus
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..15
OTHER INFORMATION: /function= "CDR 1"
FEATURE:
NAME/KEY: CDS
LOCATION: 1..15
US-08-465-313-11

Query Match 7.1%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 3e+02; Mismatches 0; Indels 2; Gaps 0;

QY 1645 GCAGAGGCGAAGC 1657

Db 13 GCAGAGGCGTAATC 1

RESULT 474

US-08-486-343A-6
; Sequence 6, Application US/08486343A
; Patent No. 6071695

GENERAL INFORMATION:

APPLICANT: OZKAYNAK, ENGIN
APPLICANT: OPPERMANN, HERMANN
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING

;; TITLE OF INVENTION: MORPHOGENIC PROTEIN EXPRESSION
;; NUMBER OF SEQUENCES: 7
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES
;; ADDRESSEE: INC.
;; STREET: 45 SOUTH STREET
;; CITY: HOPKINTON
;; STATE: MA
;; COUNTRY: USA
;; ZIP: 01148
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/486.343A
;; FILING DATE: 07-JUN-1995
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: PITCHER, Edmund R
;; REGISTRATION NUMBER: 27,829
;; REFERENCE/DOCKET NUMBER: CRP-091CP
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)-248-7000
;; TELEFAX: (617)-248-7100
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; MOLECULE TYPE: cDNA
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: 1..15
;; OTHER INFORMATION: /note= "WT1/EGR MOUSE TCC BINDING"
;; OTHER INFORMATION: SITE"
US-08-486-343A-6

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1744 TCCCTCCCTATCCT 1756
|||||
Db 1 TCCCTCCGCTCCT 13

RESULT 475
US-08-913-833-2
; Sequence 2, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P. O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: US/08/913.833
;; FILING DATE: 15 Sep 1997
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/EP97/00211
;; FILING DATE: 17 Jan 1997
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP 96870005.4
;; FILING DATE: 26 Jan 1996
;; APPLICATION NUMBER: EP 96870081.5
;; FILING DATE: 25 Jun 1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: KAMMERER, PATRICIA A.
;; REGISTRATION NUMBER: 29,775
;; REFERENCE/DOCKET NUMBER: INNS:008
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
US-08-913-833-2

Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1717 GTACGGAGATGGA 1729
|||||
Db 2 GTACAGAAATGGA 14

RESULT 476
US-08-963-472-6/c
; Sequence 6, Application US/08963472
; Patent No. 6110676
; GENERAL INFORMATION:
; APPLICANT: COULL, JAMES M.
; APPLICANT: HYLDIG-NIELSEN, JENS J.
; APPLICANT: GODTFREDSEN, SVEN E.
; APPLICANT: FIANDACA, MARK J.
; APPLICANT: STEFANO, KYRIAKI
; TITLE OF INVENTION: METHODS, KITS AND COMPOSITIONS FOR
; SUPPRESSING THE BINDING OF DETECTABLE PROBES TO NON-TARGET
; SEQUENCES IN HYBRIDIZATION ASSAYS
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BOSTON PROBES, INC.
; STREET: 75E WIGGINS AVE
; CITY: BEDFORD
; STATE: MA
; COUNTRY: UNITED STATES
; ZIP: 01730
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/963.472
; FILING DATE: 03-NOV-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/032,349
; FILING DATE: 04-DEC-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/937,709
; FILING DATE: 25-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: GILDEA, BRIAN D.

```

; TELEFAX: 781-276-4931
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "OLIGONUCLEOTIDE"
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; US-08-963-472-10
;
Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1634 TGGGGCTTGTC 1646
Db 15 TGGAGCTTGTC 3

RESULT 478
US-09-064-156A-29
; Sequence 29, Application US/09064156A
; Patent No. 6132966
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 498
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/064,156A
; FILING DATE: April 21, 1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/774,306
; FILING DATE: December 26, 1996
; APPLICATION NUMBER: 08/182,968
; FILING DATE: January 13, 1994
; APPLICATION NUMBER: 07/882,888
; FILING DATE: May 14, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 234/083
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-064-156A-29
;
Query Match 7.1%; Score 9.8; DB 1; Length 15;

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Best Local Similarity 69.2%; Pred. No. 3e+02; Mismatches 2; Indels 0; Gaps 0;

Qy 1749 CCTATCCTAAAGG 1761
 ||:||||
 Db 3 CCUAUCCCAAGG 15

RESULT 479

US-09-064-156A-483/c
 ; Sequence 483, Application US/09064156A
 ; Patent No. 6132966

GENERAL INFORMATION:

APPLICANT: Draper, Kenneth G.
 TITLE OF INVENTION: METHOD AND REAGENT FOR
 TITLE OF INVENTION: INHIBITING HEPATITIS C
 NUMBER OF SEQUENCES: 498

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/064,156A
 FILING DATE: April 21, 1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/774,306
 FILING DATE: December 26, 1996
 APPLICATION NUMBER: 08/182,968
 FILING DATE: January 13, 1994
 APPLICATION NUMBER: 07/882,888
 FILING DATE: May 14, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 234/083
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 483:

SEQUENCE CHARACTERISTICS:

LENGTH: 15

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-064-156A-483

Query Match 7.1%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 3e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1642 GTAGCAGAAGCA 1654
 |||||
 Db 15 GTAGAGTAGCA 3

RESULT 480

US-09-064-156A-494/c

; Sequence 494, Application US/09064156A
 ; Patent No. 6132966

GENERAL INFORMATION:

APPLICANT: Draper, Kenneth G.

TITLE OF INVENTION: METHOD AND REAGENT FOR
 TITLE OF INVENTION: INHIBITING HEPATITIS C
 NUMBER OF SEQUENCES: 498
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/064,156A
 FILING DATE: April 21, 1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/774,306
 FILING DATE: December 26, 1996
 APPLICATION NUMBER: 08/182,968
 FILING DATE: January 13, 1994
 APPLICATION NUMBER: 07/882,888
 FILING DATE: May 14, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 234/083
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 494:

SEQUENCE CHARACTERISTICS:

LENGTH: 15

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-064-156A-494

Query Match 7.1%; Score 9.8; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 3e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1728 GAGATTGGCTCCC 1740
 |||||
 Db 13 GTGATTAGCTCCC 1

RESULT 481

US-09-071-845-500

; Sequence 500, Application US/09071845
 ; Patent No. 6132967

GENERAL INFORMATION:

APPLICANT: Susan Grimm
 APPLICANT: Dan T. Stinchcomb
 APPLICANT: James McSwiggen
 APPLICANT: Sean Sullivan
 APPLICANT: Kenneth G. Draper

TITLE OF INVENTION: RIBOZYME TREATMENT OF
 TITLE OF INVENTION: DISEASES OR CONDITIONS
 TITLE OF INVENTION: RELATED TO LEVELS OF
 TITLE OF INVENTION: INTRACELLULAR ADHESION
 TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)

NUMBER OF SEQUENCES: 2390

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700


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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-038-073-1364

Query Match          7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1667 ACAGCTGGAACCC 1679
    |||||
Db 15 ACAGCTGTAATCC 3

RESULT 484
US-09-038-073-2048
; Sequence 2048, Application US/09038073
; Patent No. 6194150
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,073
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,684
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2048:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-038-073-2048

Query Match          7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 53.8%; Pred. No. 3e+02;
Matches 7; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1679 CTGGTGCTCCTC 1691
    |:::|:|:|:|
Db 1 CUGGUCUACCCUC 13

RESULT 485
US-09-580-794C-2

; Sequence 2, Application US/09580794C
; Patent No. 6331389
; GENERAL INFORMATION:
; APPLICANT: Stuyver, Lieven
; APPLICANT: Louwagie, Joost
; APPLICANT: Rossau, Rudi
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
; TITLE OF INVENTION: TRANSCRIPTASE GENE
; FILE REFERENCE: INNS008--2
; CURRENT APPLICATION NUMBER: US/09/580,794C
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
; PRIOR FILING DATE: 1997-09-15
; PRIOR APPLICATION NUMBER: PCT/EP 97/00211
; PRIOR FILING DATE: 1997-01-17
; PRIOR APPLICATION NUMBER: EP 96870005.4
; PRIOR FILING DATE: 1996-01-26
; PRIOR APPLICATION NUMBER: EP 96870081.5
; PRIOR FILING DATE: 1996-06-25
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Primer
US-09-580-794C-2

Query Match          7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1717 GTACGAGATGGA 1729
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Db 2 GTACAGAAATGGA 14

RESULT 486
US-09-081-646-50
; Sequence 50, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-50

Query Match          7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1650 AGCAAGCACCAG 1662
    |:::|:|:|:|
Db 2 ATGCAAGGACCAG 14

RESULT 487
US-09-081-646-294/c
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; Sequence 294, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 294
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-294

Query Match          7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1669 AGCTGAACCCCTG 1681
DB 13 AGCTGAAGCATG 1

RESULT 488
US-09-081-646-621/c
; Sequence 621, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 621
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-621

Query Match          7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1669 AGCTGAACCCCTG 1681
DB 13 AGCTGAAGCATG 1

RESULT 489
US-09-081-646-639
; Sequence 639, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 639
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-639

Query Match          7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1725 ATGGAGATTGGCT 1737
DB 2 ATGGAGATGTCT 14

RESULT 490
US-08-584-040-8497
; Sequence 8497, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IEM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 8497:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
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ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7960-030
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-104-611-21
Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1672 TCGAACCCGCTGGT 1684
Db 13 TCGAACCCGCTGGT 1
RESULT 497
PCT-US95-07349-6
Sequence 6, Application PC/TUS9507349
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
TITLE OF INVENTION: MORPHOGEN EXPRESSION
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES
ADDRESSEE: INC.
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
ZIP: 07148
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07349
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/938,021
FILING DATE: 28-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: KELLEY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-091PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)-435-9001
TELEFAX: (508)-435-0992
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..15
OTHER INFORMATION: /note= "WT1 MOUSE TCC BINDING SITE"
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```
PCT-US95-07349-6
Query Match 7.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1744 TCCTCCCTATCCT 1756
Db 1 TCCTCCCTATCCT 13
RESULT 498
US-09-050-159-111/c
Sequence 111, Application US/09050159A
Patent No. 6197505
GENERAL INFORMATION:
APPLICANT: No. 6197505berg, Leif T
APPLICANT: Andersson, Maria K
APPLICANT: Linstrom, Per H
TITLE OF INVENTION: METHODS FOR ASSESSING CARDIOVASCULAR STATUS AND
TITLE OF INVENTION: COMPOSITIONS FOR USE THEREOF
FILE REFERENCE: 1248/1D042
CURRENT APPLICATION NUMBER: US/09/050,159A
CURRENT FILING DATE: 1998-03-27
EARLIER APPLICATION NUMBER: 60/042,930
NUMBER OF SEQ ID NOS: 133
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 111
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: PCR PRIMER
US-09-050-159-111
Query Match 7.1%; Score 9.8; DB 1; Length 18;
Best Local Similarity 84.6%; Pred. No. 3.9e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1698 GGTGAGGTGGG 1710
Db 13 GGAGGAGGTGGG 1
RESULT 499
US-09-548-797B-106
Sequence 106, Application US/09548797B
Patent No. 6683165
GENERAL INFORMATION:
APPLICANT: KEITH, TIM
TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES AND
TITLE OF INVENTION: OBESITY
FILE REFERENCE: 2976-4039
CURRENT APPLICATION NUMBER: US/09/548,797B
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: 60/129,391
PRIOR FILING DATE: 1999-04-13
NUMBER OF SEQ ID NOS: 170
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 106
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-548-797B-106
Query Match 7.1%; Score 9.8; DB 1; Length 18;
Best Local Similarity 84.6%; Pred. No. 3.9e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1677 CCTGTGTCTCC 1689
```

Db 2 CCTGGTGTCC 14

RESULT 500
US-08-544-381B-13/c
; Sequence 13, Application US/08544381B
; Patent No. 6027880
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles Garrett
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Chee, Mark
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, Macdonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes for
; TITLE OF INVENTION: Detecting Cystic Fibrosis
; NUMBER OF SEQUENCES: 250
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/544,381B
; FILING DATE: 10-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/510,521
; FILING DATE: 02-AUG-1995
; PRIOR APPLICATION DATA: PCT/US94/12305
; FILING DATE: 26-OCT-1994
; APPLICATION NUMBER: US 08/284,064
; FILING DATE: 02-AUG-1994
; PRIOR APPLICATION DATA: US 08/143,312
; FILING DATE: 26-OCT-1993
; NAME: Liebeschuetz, Joe
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-004130US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (oligonucleotide)
; US-08-544-381B-13

Query Match 6.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 69.2%; Pred. No. 2.6e+02;
Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
Qy 1649 AAGGCAAGCACCA 1661
Db 13 AGGGRMNCACCA 1

RESULT 501
US-08-778-794A-71/c
; Sequence 71, Application US/08778794A
; Patent No. 6309823
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles Garrett
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Chee, Mark
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, Macdonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes
; TITLE OF INVENTION: for Analyzing Biotransformation Genes
; NUMBER OF SEQUENCES: 156
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,794A
; FILING DATE: 03-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; APPLICATION NUMBER: US 08/284,064
; FILING DATE: 02-AUG-1994
; APPLICATION NUMBER: WO PCT/US94/12305
; FILING DATE: 26-OCT-1994
; APPLICATION NUMBER: US 08/510,521
; FILING DATE: 02-AUG-1995
; APPLICATION NUMBER: US 08/544,381
; FILING DATE: 10-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-015700US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0200
; TELEX:
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-778-794A-71

Query Match 6.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 69.2%; Pred. No. 2.6e+02;
Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
Qy 1649 AAGGCAAGCACCA 1661
Db 13 AGGGRMNCACCA 1

RESULT 502
US-08-778-794A-95/c
; Sequence 95, Application US/08778794A
; Patent No. 6309823
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles Garrett
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Chee, Mark
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, MacDonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes
; TITLE OF INVENTION: for Analyzing Biotransformation Genes
; NUMBER OF SEQUENCES: 156
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,794A
; FILING DATE: 03-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; APPLICATION NUMBER: US 08/284,064
; FILING DATE: 02-AUG-1994
; APPLICATION NUMBER: WO PCT/US94/12305
; FILING DATE: 26-OCT-1994
; APPLICATION NUMBER: US 08/510,521
; FILING DATE: 02-AUG-1995
; APPLICATION NUMBER: US 08/544,381
; FILING DATE: 10-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-015700US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0200
; TELEX:
; INFORMATION FOR SEQ ID NO: 95:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-778-794A-95

Query Match 6.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 69.2%; Pred. No. 2.6e+02;
Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1649 AAGGCAAGCACCA 1661
Db 13 AGGGCRWNCACCA 1

RESULT 503
US-07-696-793A-9

; Sequence 9, Application US/07696793A
; Patent No. 5220004
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cetus Corporation
; STREET: 1400 Fifty-Third Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/696,793A
; FILING DATE: 19910507
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kevin R. Kaster
; REGISTRATION NUMBER: 32704
; REFERENCE/DOCKET NUMBER: 2598
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 420-3444
; TELEFAX: (415) 658-5239
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-07-696-793A-9

Query Match 6.9%; Score 9.6; DB 1; Length 16;
Best Local Similarity 75.0%; Pred. No. 3.6e+02;
Matches 12; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1657 CACCAGGCTCACGCT 1672
Db 1 CACCAAGCTTCCACCT 16

RESULT 504
US-07-977-694-9
; Sequence 9, Application US/07977694
; Patent No. 5273883
; GENERAL INFORMATION:
; APPLICANT: Saiki, Randall K.
; APPLICANT: Nasarabadi, Shanavaz L.
; TITLE OF INVENTION: Methods and Reagents for G Gamma Globin
; TITLE OF INVENTION: Typing
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5

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; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,694
; FILING DATE: 19921117
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stacey R. Sias, Ph.D.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8733
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
;
US-07-977-694-9

Query Match 6.9%; Score 9.6; DB 1; Length 16;
Best Local Similarity 75.0%; Pred. No. 3.6e+02;
Matches 12; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1657 CACCAGGCTCACAGCT 1672
      ||||| ||||| |||||
Db 1 CACCAGCTTCCACCT 16

RESULT 505
US-09-371-772B-5954
; Sequence 5954, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MEH000,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5954
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
;
US-09-371-772B-5954

Query Match 6.9%; Score 9.6; DB 1; Length 16;
Best Local Similarity 56.2%; Pred. No. 3.6e+02;
Matches 9; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1665 TCACAGCTGGAAACCT 1680
      :|||: |||:
Db 1 UCCAGCUCUGACCCU 16

RESULT 506
US-09-187-946-16
; Sequence 16, Application US/09187946
; Sequence 16, Application US/09187946
; Sequence 16, Application US/09187946

```


; INFORMATION FOR SEQ ID NO: 2237:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-584-040-2237

Query Match
Best Local Similarity 6.9%; Score 9.6; DB 1; Length 17;
Matches 9; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1665 TCACAGCTGGAAACCT 1680
:|||||:|||||:
Db 1 UCCACGUCUGACCCU 16

RESULT 508

US-09-371-772B-782
; Sequence 782, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00,876-J (237/198)
; CURRENT FILING DATE: 1999-08-10
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 782
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-782

Query Match
Best Local Similarity 6.9%; Score 9.6; DB 1; Length 17;
Matches 9; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1665 TCACAGCTGGAAACCT 1680
:|||||:|||||:
Db 1 UCCACGUCUGACCCU 16

RESULT 509

US-09-371-772B-5167
; Sequence 5167, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00,876-J (237/198)
; CURRENT FILING DATE: 1999-08-10
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; NUMBER OF SEQ ID NOS: 14225

; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5167
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5167

Query Match
Best Local Similarity 6.9%; Score 9.6; DB 1; Length 17;
Matches 9; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1665 TCACAGCTGGAAACCT 1680
:|||||:|||||:
Db 2 UCCACGUCUGACCCU 17

RESULT 510

US-08-754-477A-109/c
; Sequence 109, Application US/08754477A
; Patent No. 6518411
; GENERAL INFORMATION:
; APPLICANT: Murray, Jeffrey
; APPLICANT: Semina, Elena
; TITLE OF INVENTION: RIEG COMPOSITIONS AND THERAPEUTIC
; TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR
; NUMBER OF SEQUENCES: 139
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/754,477A
; FILING DATE: 22-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: UIA-022.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 109:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-754-477A-109

Query Match
Best Local Similarity 6.9%; Score 9.6; DB 1; Length 20;
Matches 12; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1710 GTTAGGATGACGAGA 1725
:|||||:|||||:
Db 19 GTGAGGAATTGGGAGA 4

RESULT 511

US-08-757-024-530
; Sequence 530, Application US/08757024
; Patent No. 6025339
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA

```
;
;
; NUMBER OF SEQUENCES: 952
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,024
; FILING DATE: 26-NOV-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5218-41
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 530:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-757-024-530

Query Match 6.8%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 2.1e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAG 1730
DB 1 CTGAGATGGAG 11

RESULT 512
US-09-617-548-12/c
; Sequence 12, Application US/09617548
; Patent No. 6478214
; GENERAL INFORMATION:
; APPLICANT: EAGLES, Peter Anthony Minter
; APPLICANT: ZHENG, Richard Qihao
; TITLE OF INVENTION: INHIBITION OF CYTOKINE PRODUCTION
; FILE REFERENCE: N & V 604-557 BTG 137 766
; CURRENT APPLICATION NUMBER: US/09/617,548
; CURRENT FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: GB 9601391.5
; PRIOR FILING DATE: 1998-01-22
; PRIOR APPLICATION NUMBER: GB 9824794.3
; PRIOR FILING DATE: 1998-11-11
; PRIOR APPLICATION NUMBER: PCT/GB99/00179
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Human tumour necrosis factor alpha promoter
; US-09-617-548-12

Query Match 6.8%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 2.1e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1732 TTGGCTCCAA 1742
```

```
DB 11 TTGGCTCCAA 1

RESULT 513
US-09-249-155A-43
; Sequence 43, Application US/09249155A
; Patent No. 6538173
; GENERAL INFORMATION:
; APPLICANT: Heber-Katz, Ellen
; TITLE OF INVENTION: Compositions and Methods for Wound
; TITLE OF INVENTION: Healing
; FILE REFERENCE: 00486.78503
; CURRENT APPLICATION NUMBER: US/09/249,155A
; CURRENT FILING DATE: 1993-02-12
; PRIOR APPLICATION NUMBER: US 60/074,737
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/097,937
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: US 60/102,051
; PRIOR FILING DATE: 1998-09-28
; NUMBER OF SEQ ID NOS: 346
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Mus musculus
; US-09-249-155A-43

Query Match 6.8%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 2.1e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1651 GGCAAGCACCA 1661
DB 1 GGCAAGCCCCA 11

RESULT 514
US-09-249-155A-181
; Sequence 181, Application US/09249155A
; Patent No. 6538173
; GENERAL INFORMATION:
; APPLICANT: Heber-Katz, Ellen
; TITLE OF INVENTION: Compositions and Methods for Wound
; TITLE OF INVENTION: Healing
; FILE REFERENCE: 00486.78503
; CURRENT APPLICATION NUMBER: US/09/249,155A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,737
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/097,937
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: US 60/102,051
; PRIOR FILING DATE: 1998-09-28
; NUMBER OF SEQ ID NOS: 346
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 181
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Mus musculus
; US-09-249-155A-181

Query Match 5.8%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 2.1e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1651 GGCAAGCACCA 1661
DB 1 GGCAAGCCCCA 11

RESULT 515
```

PCT-US94-08023-37/c
; Sequence 37, Application PC/TUS9408023
; GENERAL INFORMATION:
; APPLICANT: de Kloet, Siwo R.
; TITLE OF INVENTION: Sex-Specific DNA Probe For Parrots,
; TITLE OF INVENTION: Methods And Kits
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
; ADDRESSEE: Russell, P.A.
; STREET: 200 East Broward Boulevard
; CITY: Fort Lauderdale
; STATE: FL
; COUNTRY: USA
; ZIP: 33301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/08023
; FILING DATE: 15-JUL-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/093,198
; FILING DATE: 15-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: FL20979-34
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305-527-2498
; TELEFAX: 305-764-4996
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US94-08023-37

Query Match 6.8%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 2.1e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1708 GGGTTAGGAGT 1718
Db 11 GGGTTAGGAAT 1

RESULT 516
US-08-192-300-5
; Sequence 5, Application US/08192300
; Patent No. 5580759
; GENERAL INFORMATION:
; APPLICANT: Yang, Yih-Sheng
; APPLICANT: Tucker, Philip W.
; APPLICANT: Capra, J. Donald
; TITLE OF INVENTION: CONSTRUCTION OF RECOMBINANT DNA BY
; TITLE OF INVENTION: EXONUCLEASE RESECTION
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/192,300
; FILING DATE: February 3, 1994
; CLASSIFICATION: 535
; ATTORNEY/AGENT INFORMATION:
; NAME: Denise L. Mayfield
; REGISTRATION NUMBER: 33,732
; REFERENCE/DOCKET NUMBER: UTSD:327
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 320-7200
; TELEFAX: (512) 474-7577
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: Nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: Oligonucleotide
US-08-192-300-5

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1696 GTGGTGAAGT 1706
Db 2 GTGGTGAATT 12

RESULT 517
US-08-221-816B-27/c
; Sequence 27, Application US/08221816B
; Patent No. 5738985
; GENERAL INFORMATION:
; APPLICANT: Miles, Vincent J.
; APPLICANT: Mathews, Michael B.
; APPLICANT: Katze, Michael G.
; APPLICANT: Witherell, Gary
; APPLICANT: Watson, Julia C.
; TITLE OF INVENTION: METHOD FOR SELECTIVE INACTIVATION
; TITLE OF INVENTION: OF VIRAL REPLICATION
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,816B
; FILING DATE: 01-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7960-030
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single

```

; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-221-816B-27

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1674 GAACCTGGTG 1684
Db 11 GAACCCAGGTG 1

RESULT 518
US-08-441-887A-338
; Sequence 338, Application US/08441887A
; Patent No. 5837832
; GENERAL INFORMATION:
; APPLICANT: Chee, Mark
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua X.
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, Macdonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes on
; TITLE OF INVENTION: Biological Chips
; NUMBER OF SEQUENCES: 360
; CORRESPONDENCE ADDRESS:
; ADDRESS: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,887A
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/082,937
; FILING DATE: 25-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joseph O.
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-004160US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-326-2400
; TELEFAX: 650-326-2422
; INFORMATION FOR SEQ ID NO: 338:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (probe)
US-08-441-887A-338

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1740 CAACTCTCTCCC 1750
Db 2 CGACTCTCTCCC 12

RESULT 520
US-08-757-024-501
; Sequence 501, Application US/08757024
```

```

; Patent No. 6025339
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
; NUMBER OF SEQUENCES: 952
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,024
; FILING DATE: 26-NOV-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5218-41
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 501:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-757-024-501

Query Match          6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAG 1730
DB 2 CTGAGATGGAG 12

RESULT 521
US-08-757-024-529
; Sequence 529, Application US/08/57024
; Patent No. 6025339
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
; NUMBER OF SEQUENCES: 952
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,024
; FILING DATE: 26-NOV-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.

```

```

; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5218-41
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 529:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-757-024-529

Query Match          6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAG 1730
DB 1 CTGAGATGGAG 11

RESULT 522
US-07-794-396-6
; Sequence 6, Application US/07794396
; Patent No. 6034233
; GENERAL INFORMATION:
; APPLICANT: David Ecker et al.
; TITLE OF INVENTION: Modulation of HIV Gene Expression
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz
; ADDRESSEE: Mackiewicz & No. 6034233ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/794,396
; FILING DATE: 19911119
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 518,929
; FILING DATE: May 4, 1990
; APPLICATION NUMBER: PCT/US91/02558
; FILING DATE: April 15, 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISIS-0478
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; ANTI-SENSE: yes
; US-07-794-396-6

Query Match          6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 2.5e+02;

```

Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1659 CCAGGCTCAC 1669
|||||:||||
Db 2 CCAGGCUCAGA 12

RESULT 523
US-08-959-853-8/c
; Sequence 8, Application US/08959853
; Patent No. 6090553
; GENERAL INFORMATION:
; APPLICANT: Robert S. Matson
; TITLE OF INVENTION: USE OF URACIL-DNA GLYCOSYLASE
; TITLE OF INVENTION: IN GENETIC ANALYSIS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Beckman Instruments, Inc.
; STREET: 2500 Harbor Boulevard
; CITY: Fullerton
; STATE: California
; ZIP: 92834-3100
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM compatible
; OPERATING SYSTEM: WINDOWS 95 - WORDPERFECT 7.0
; SOFTWARE: ASCII (DOS) TEXT
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,853
; FILING DATE: herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: P.R. Harder
; REGISTRATION NUMBER: 20,022
; REFERENCE/DOCKET NUMBER: 450-1566
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (714) 773-6929
; TELEFAX: (714) 773-7936
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-959-853-8

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1680 TGGTGTCTCT 1690
|||||:||||
Db 11 TGGTGTCTCT 1

RESULT 524
US-08-713-742-8
; Sequence 8, Application US/08713742
; Patent No. 611085
; GENERAL INFORMATION:
; APPLICANT: Cook and Manoharan
; TITLE OF INVENTION: Carbamate-Derivatized Nucleosides And
; TITLE OF INVENTION: Oligonucleosides
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and No. 6111085ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103
; COMPUTER READABLE FORM:

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1659 CCAGGCTCAC 1669
|||||:||||
Db 2 CCAGGCUCAGA 12

RESULT 525
US-08-211-882-5
; Sequence 5, Application US/08211882
; Patent No. 6153737
; GENERAL INFORMATION:
; APPLICANT: Manoharan et al.
; TITLE OF INVENTION: Derivatized Oligonucleotides Having
; TITLE OF INVENTION: Improved Uptake And Other Properties
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and No. 6153737ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk, 720 Kb
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/211,882
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/782,374
; FILING DATE: 24-OCT-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Joseph Lucci
; REGISTRATION NUMBER: 33,307
; REFERENCE/DOCKET NUMBER: ISIS-0649
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

US-08-211-882-5

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 2.5e+02;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1659 CCAGGCTCAC 1669
|||||:|
Db 2 CCAGGCUCAGA 12

RESULT 526

US-08-211-882-9
; Sequence 9, Application US/08211882
; Patent No. 6153737
; GENERAL INFORMATION:
; APPLICANT: Manoharan et al.
; TITLE OF INVENTION: Derivatized Oligonucleotides Having
; TITLE OF INVENTION: Improved Uptake And Other Properties
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and No. 6153737ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 720 kb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/211,882
FILING DATE: 22-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/782,374
FILING DATE: 24-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Joseph Lucci
REGISTRATION NUMBER: 33,307
REFERENCE/DOCKET NUMBER: ISIS-0649
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-211-882-9

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 2.5e+02;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1659 CCAGGCTCAC 1669
|||||:|
Db 1 CCAGGCUCAGA 11

RESULT 527

US-09-372-856-8
; Sequence 8, Application US/09372856
; Patent No. 6166188
; GENERAL INFORMATION:
; APPLICANT: Cook and Manoharan
; TITLE OF INVENTION: Carbamate-Derivatized Nucleosides And
; TITLE OF INVENTION: Oligonucleosides
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and No. 6166188ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows NT 4.0
SOFTWARE: WordPerfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/372,856
FILING DATE: 12-AUG-1999
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/713,742
FILING DATE: 13-SEP-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Joseph Lucci
REGISTRATION NUMBER: 33,307
REFERENCE/DOCKET NUMBER: ISIS-4070
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-09-372-856-8

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 2.5e+02;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1659 CCAGGCTCAC 1669
|||||:|
Db 2 CCAGGCUCAGA 12

RESULT 528

US-09-281-418-20/c
; Sequence 20, Application US/09281418
; Patent No. 6287769
; GENERAL INFORMATION:
; APPLICANT: Inoue, Takakazu
; TITLE OF INVENTION: Method of Amplifying DNA Fragment, Apparatus for Amplifying DNA F
; TITLE OF INVENTION: agment, Method of Assaying Microorganisms, Method of Analyzing Mic
; TITLE OF INVENTION: nisms and Method of Assaying Contaminant
; FILE REFERENCE: 9982-7
; CURRENT APPLICATION NUMBER: US/09/281,418
; CURRENT FILING DATE: 1999-03-30
; EARLIER APPLICATION NUMBER: JP/1998/87651
; EARLIER FILING DATE: 1998-03-31
; EARLIER APPLICATION NUMBER: JP/1999/69694
; EARLIER FILING DATE: 1999-03-16
; NUMBER OF SEQ ID NOS: 216
; SEQ ID NO 20
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-281-418-20

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1748 CCCTATCCTAA 1758

TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-688-394-8

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 2.5e+02;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACA 1669
DB 2 CCAGGCUCAGA 12

RESULT 531
US-09-633-659-5
Sequence 5, Application US/09633659
Patent No. 6395492
GENERAL INFORMATION:
APPLICANT: Manoharan, Muthiah
APPLICANT: Cook, Phillip Dan
APPLICANT: Bennet, Clarence Frank
TITLE OF INVENTION: Derivatized Oligonucleotides Having Improved Uptake And
TITLE OF INVENTION: Other Properties
FILE REFERENCE: ISIS4470
CURRENT APPLICATION NUMBER: US/09/633,659
CURRENT FILING DATE: 2000-08-07
PRIOR APPLICATION NUMBER: 08/211,882
PRIOR FILING DATE: 1994-04-22
PRIOR APPLICATION NUMBER: 07/782,374
PRIOR FILING DATE: 1991-10-24
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 12
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: No. 6395492el Sequence

US-09-633-659-5
Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 2.5e+02;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACA 1669
DB 2 CCAGGCUCAGA 12

RESULT 532
US-09-633-659-9
Sequence 9, Application US/09633659
Patent No. 6395492
GENERAL INFORMATION:
APPLICANT: Manoharan, Muthiah
APPLICANT: Cook, Phillip Dan
APPLICANT: Bennet, Clarence Frank
TITLE OF INVENTION: Derivatized Oligonucleotides Having Improved Uptake And
TITLE OF INVENTION: Other Properties
FILE REFERENCE: ISIS4470
CURRENT APPLICATION NUMBER: US/09/633,659
CURRENT FILING DATE: 2000-08-07
PRIOR APPLICATION NUMBER: 08/211,882
PRIOR FILING DATE: 1994-04-22
PRIOR APPLICATION NUMBER: 07/782,374
PRIOR FILING DATE: 1991-10-24
NUMBER OF SEQ ID NOS: 18

TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-688-394-8

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 2.5e+02;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACA 1669
DB 2 CCAGGCUCAGA 12

RESULT 531
US-09-633-659-5
Sequence 5, Application US/09633659
Patent No. 6395492
GENERAL INFORMATION:
APPLICANT: Manoharan, Muthiah
APPLICANT: Cook, Phillip Dan
APPLICANT: Bennet, Clarence Frank
TITLE OF INVENTION: Derivatized Oligonucleotides Having Improved Uptake And
TITLE OF INVENTION: Other Properties
FILE REFERENCE: ISIS4470
CURRENT APPLICATION NUMBER: US/09/633,659
CURRENT FILING DATE: 2000-08-07
PRIOR APPLICATION NUMBER: 08/211,882
PRIOR FILING DATE: 1994-04-22
PRIOR APPLICATION NUMBER: 07/782,374
PRIOR FILING DATE: 1991-10-24
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 12
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: No. 6395492el Sequence

US-09-633-659-5
Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 2.5e+02;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACA 1669
DB 2 CCAGGCUCAGA 12

RESULT 532
US-09-633-659-9
Sequence 9, Application US/09633659
Patent No. 6395492
GENERAL INFORMATION:
APPLICANT: Manoharan, Muthiah
APPLICANT: Cook, Phillip Dan
APPLICANT: Bennet, Clarence Frank
TITLE OF INVENTION: Derivatized Oligonucleotides Having Improved Uptake And
TITLE OF INVENTION: Other Properties
FILE REFERENCE: ISIS4470
CURRENT APPLICATION NUMBER: US/09/633,659
CURRENT FILING DATE: 2000-08-07
PRIOR APPLICATION NUMBER: 08/211,882
PRIOR FILING DATE: 1994-04-22
PRIOR APPLICATION NUMBER: 07/782,374
PRIOR FILING DATE: 1991-10-24
NUMBER OF SEQ ID NOS: 18

US-09-281-418-74/c
Sequence 74, Application US/09281418
Patent No. 6287769
GENERAL INFORMATION:
APPLICANT: Inoue, Takakazu
TITLE OF INVENTION: Method of Amplifying DNA Fragment, Apparatus for Amplifying DNA F
TITLE OF INVENTION: agent, Method of Assaying Microorganisms, Method of Analyzing Mi
TITLE OF INVENTION: nisms and Method of Assaying Contaminant
FILE REFERENCE: 9982-7
CURRENT APPLICATION NUMBER: US/09/281,418
CURRENT FILING DATE: 1999-03-30
EARLIER APPLICATION NUMBER: JP/1998/87651
EARLIER FILING DATE: 1998-03-31
EARLIER APPLICATION NUMBER: JP/1999/69694
EARLIER FILING DATE: 1999-03-16
NUMBER OF SEQ ID NOS: 216
SEQ ID NO 74
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
US-09-281-418-74

Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1705 GTTGGTAGG 1715
DB 11 GTTGGTAGG 1

RESULT 530
US-09-688-394-8
Sequence 8, Application US/09688394
Patent No. 6322987
GENERAL INFORMATION:
APPLICANT: Cook and Manoharan
TITLE OF INVENTION: Carbamate-Derivatized Nucleosides And
TITLE OF INVENTION: Oligonucleosides
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and No. 6322987ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows NT 4.0
SOFTWARE: WordPerfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/688,394
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/372,856
FILING DATE: 12-AUG-1999
APPLICATION NUMBER: 08/713,742
FILING DATE: 13-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: Joseph Lucci
REGISTRATION NUMBER: 33,307
REFERENCE/DOCKET NUMBER: ISIS-4070
TELECOMMUNICATION INFORMATION:

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 9

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Combined DNA/RNA Molecule:

; OTHER INFORMATION: Oligonucleotide

; OTHER INFORMATION: Description of Artificial Sequence: No. 6395492el Sequence

US-09-633-659-9

Query Match

Best Local Similarity 6.8%; Score 9.4; DB 1; Length 12;

Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACA 1669

Db 1 CCAGGCUCAGA 11

RESULT 533

US-10-112-547-27/c

; Sequence 27, Application US/10112547

; Patent No. 6579674

; GENERAL INFORMATION:

; APPLICANT: Miles, Vincent J.

; Mathews, Michael B.

; Katze, Michael G.

; Witherell, Gary

; Watson, Julia C.

; TITLE OF INVENTION: METHOD FOR SELECTIVE INACTIVATION

; CORRESPONDENCE ADDRESS:

; ADDRESS: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036/2711

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSEQ Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/112,547

; FILING DATE: 28-Mar-2002

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/221,816B

; FILING DATE: 01-APR-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzzi, Laura A

; REGISTRATION NUMBER: 30,742

; REFERENCE/DOCKET NUMBER: 7960-030

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 12 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 27:

US-10-112-547-27

Query Match

Best Local Similarity 6.8%; Score 9.4; DB 1; Length 12;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1674 GAACCTGGTG 1684

Db 11 GAACCCAGGTG 1

RESULT 534

US-09-574-117A-26/c

; Sequence 26, Application US/09574117A

; Patent No. 6620584

; GENERAL INFORMATION:

; APPLICANT: Chee, Mark

; APPLICANT: Walt, David R.

; TITLE OF INVENTION: Combinatorial Decoding of Random Nucleic Acid Arrays

; FILE REFERENCE: A-67498-1

; CURRENT APPLICATION NUMBER: US/09/574,117A

; CURRENT FILING DATE: 2000-05-19

; PRIOR APPLICATION NUMBER: US 60/135,052

; PRIOR FILING DATE: 1999-05-20

; NUMBER OF SEQ ID NOS: 39

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 26

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: synthetic.

US-09-574-117A-26

Query Match

Best Local Similarity 6.8%; Score 9.4; DB 1; Length 12;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1674 GAACCTGGTG 1684

Db 11 GAACCTGGCG 1

RESULT 535

US-10-112-241-27/c

; Sequence 27, Application US/10112241

; Patent No. 6623961

; GENERAL INFORMATION:

; APPLICANT: Miles, Vincent J.

; Mathews, Michael B.

; Katze, Michael G.

; Witherell, Gary

; Watson, Julia C.

; TITLE OF INVENTION: METHOD FOR SELECTIVE INACTIVATION

; CORRESPONDENCE ADDRESS:

; ADDRESS: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036/2711

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSEQ Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/112,241

; FILING DATE: 28-Mar-2002

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/221,816B

; FILING DATE: 01-APR-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzzi, Laura A

; REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7960-030
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-10-112-241-27
Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1674 GAACCTGGTG 1684
Db 11 GAACCCAGGTG 1
RESULT 537
5240847-3
Patent No. 5240847
APPLICANT: HECKL, KONRAD; SPEVAK, WALTER; OSTERMANN, ELINBORG;
ZOPHEL, ANDREAS; KEYSTEK, EDELTRAUD; MAURER-FOGY, INGRID;
MICHE-CASTANON, MARIA J.; STRATOWA, CHRISTIAN; HAUPTMANN, RUDOLF
TITLE OF INVENTION: HUMAN MANGANESE SUPEROXIDE DISMUTASE
(HMN-SOD)
NUMBER OF SEQUENCES: 34
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/167,261
FILING DATE: 11-MAR-1988
SEQ ID NO: 3:
LENGTH: 12
5240847-3
Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1654 AAGCACCAGGC 1664
Db 1 AAGCACCAGTC 11
RESULT 538
5427911-12/c
Patent No. 5427911
APPLICANT: RUANO, GUALBERTO
TITLE OF INVENTION: COUPLED AMPLIFICATION AND SEQUENCING
OF DNA
NUMBER OF SEQUENCES: 18
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/98,748
FILING DATE: 28-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 516,499
FILING DATE: 01-MAY-1990
SEQ ID NO: 12:
LENGTH: 12
5427911-12
Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 2.5e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1750 CTATCCTAAAG 1760
Db 11 CTCTCCTAAG 1
RESULT 539
5427911-14
Patent No. 5427911
APPLICANT: RUANO, GUALBERTO
TITLE OF INVENTION: COUPLED AMPLIFICATION AND SEQUENCING
OF DNA
NUMBER OF SEQUENCES: 18
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/98,748
FILING DATE: 28-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 516,499

US-10-104-611-27/c
Sequence 27, Application US/10104611
Patent No. 6667152
GENERAL INFORMATION:
APPLICANT: Miles, Vincent J.
Mathews, Michael B.
Katze, Michael G.
Witherell, Gary
Watson, Julia C.
TITLE OF INVENTION: METHOD FOR SELECTIVE INACTIVATION
OF VIRAL REPLICATION
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/104,611
FILING DATE: 22-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/221,816B
FILING DATE: 01-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7960-030
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-10-104-611-27

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1741 AACTCCTCCT 1751
| | | | |
Db 3 AACTACTCCT 13

RESULT 542
US-08-667-023-3/c
; Sequence 3, Application US/08667023
; Patent No. 5817783
; GENERAL INFORMATION:
; APPLICANT: Callabretta, Bruno
; APPLICANT: Venturelli, Donatella
; APPLICANT: Martinez, Robert V.
; TITLE OF INVENTION: DR-nm23 AND COMPOSITIONS, METHODS OF MAKING AND
; TITLE OF INVENTION: METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5817783ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/667,023
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 60/000,427
; FILING DATE: 22-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: DeLuca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-1992
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-08-667-023-3

Query Match 6.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.8e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1696 GTGGTGAAGT 1706
| | | | |
Db 12 GTGGTGAATT 2

RESULT 543
US-08-671-975A-17/c
; Sequence 17, Application US/08671975A
; Patent No. 5830656
; GENERAL INFORMATION:
; APPLICANT: Milo, George
; TITLE OF INVENTION: CATR GENE
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CALFEY, HALTER & GRISWOLD

STREET: 800 SUPERIOR AVENUE, SUITE 1400
CITY: CLEVELAND
STATE: OHIO
COUNTRY: USA
ZIP: 44114
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671.975A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: GOLDRICK, MARY E
REGISTRATION NUMBER: 34,829
REFERENCE/DOCKET NUMBER: 22727/00134
TELECOMMUNICATION INFORMATION:
TELEPHONE: (216) 622-8200
TELEFAX: (216) 241-0816
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-671-975A-17

Query Match 6.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.8e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1696 GTGGTGAAGT 1706
| | | | |
Db 12 GTGGTGAATT 2

RESULT 544
US-08-757-024-471
; Sequence 471, Application US/08757024
; Patent No. 6025339
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
; NUMBER OF SEQUENCES: 952
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: NC. 6025339th Carolina
; COUNTRY: USA
; ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
TELEX: 575102

; INFORMATION FOR SEQ ID NO: 471:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-024-471

Query Match 6.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.8e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1720 CGGAGATGGAG 1730
Db 3 CTGAGATGGAG 13

RESULT 545
US-08-757-024-500
; Sequence 500, Application US/08757024
; Patent No. 6025339
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
; NUMBER OF SEQUENCES: 952
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina
; COUNTRY: USA
; ZIP: 28234

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5218-41
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
TELEX: 575102
INFORMATION FOR SEQ ID NO: 500:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-757-024-500

Query Match 6.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.8e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1720 CGGAGATGGAG 1730
Db 2 CTGAGATGGAG 12

RESULT 546
US-08-757-024-528
; Sequence 528, Application US/08757024
; Patent No. 6025339
; GENERAL INFORMATION:

; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
; NUMBER OF SEQUENCES: 952
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina
; COUNTRY: USA
; ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5218-41
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
TELEX: 575102
INFORMATION FOR SEQ ID NO: 528:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-757-024-528

Query Match 6.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.8e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1720 CGGAGATGGAG 1730
Db 1 CTGAGATGGAG 11

RESULT 547
US-08-950-196-17
; Sequence 17, Application US/08950196
; Patent No. 6271369
; GENERAL INFORMATION:
; APPLICANT: TORRENCE, PAUL
; APPLICANT: ROBERT, SILVERMAN
; APPLICANT: RATAN, MAITRA
; APPLICANT: KRISTYNA, LESIAK
; TITLE OF INVENTION: METHOD OF CLEAVING SPECIFIC SEQUENCES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson and Bear
; STREET: 620 Newport Center Drive
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS version
SOFTWARE: FastSeq Version 1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/950,196
FILING DATE:
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/123,449
FILING DATE: PCT/US93/10103
APPLICATION NUMBER: PCT/US93/10103
FILING DATE: 10-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Redrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH034,001QPC
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
FEATURE:
NAME/KEY: miscellaneous feature
LOCATION: 1-4
OTHER INFORMATION: A is linked by 2',5'-linkage
FEATURE:
NAME/KEY: miscellaneous feature
LOCATION: 4
OTHER INFORMATION: A is linked at 2' end to following
OTHER INFORMATION: base through a linker moiety
US-08-950-196-17
Query Match 6.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.8e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1741 AACTCCTCCCT 1751
DB 3 AACTACTCCCT 13
RESULT 548
US-09-474-432B-120/C
Sequence 120, Application US/09474432B
Patent No. 6528640
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Burgin, Alex
APPLICANT: Beigelman, Leo
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleotides
FILE REFERENCE: MHB00-831-B (247/276)
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR APPLICATION NUMBER: US 60/084,727
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1596
SOFTWARE: PatentIn version 3.0
SEQ ID NO 120
LENGTH: 13
TYPE: RNA
ORGANISM: Homo sapiens

US-09-474-432B-120
Query Match 6.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.8e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1659 CCAGGCTCACA 1669
DB 12 CCAGGCTCACA 2
RESULT 549
US-09-216-584-18
Sequence 18, Application US/09216584
Patent No. 6548657
GENERAL INFORMATION:
APPLICANT: Alex, Burgin
APPLICANT: Leonid, Beigelman
APPLICANT: Laurent, Bellon
TITLE OF INVENTION: Method for Screening Nucleic Acid Catalysts
FILE REFERENCE: MHB00-853-A; RPI 237/167
CURRENT APPLICATION NUMBER: US/09/216,584
CURRENT FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: 09/094,381
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/068,212
PRIOR FILING DATE: 1997-12-19
PRIOR APPLICATION NUMBER: 60/049,002
PRIOR FILING DATE: 1997-06-09
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PatentIn version 3.0
SEQ ID NO 18
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Accessible site within Kras transcript
US-09-216-584-18
Query Match 6.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.8e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1699 GTGGAAGTTGG 1709
DB 2 GTGGAAGTTGG 12
RESULT 550
US-09-476-387-120/C
Sequence 120, Application US/09476387
Patent No. 6617438
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, Dave
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleotides
FILE REFERENCE: MHB00-831-C (249/073)
CURRENT APPLICATION NUMBER: US/09/476,387
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 09/474,432
PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/301,511
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: 60/083,727
PRIOR FILING DATE: 1998-04-29

;; PRIOR APPLICATION NUMBER: 60/064,866
;; PRIOR FILING DATE: 1997-11-05
;; NUMBER OF SEQ ID NOS: 1524
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 120
;; LENGTH: 13
;; TYPE: RNA
;; ORGANISM: Homo sapiens
US-09-476-387-120

Query Match 6.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.8e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1659 CCAGGCTCACA 1669

Db 12 CCAGGCTCCA 2

RESULT 551

US-07-933-469A-1/c
; Sequence 1, Application US/07933469A
; Patent No. 5318896
; GENERAL INFORMATION:
; APPLICANT: Conder, Michael J.
; APPLICANT: McAda, Phyllis and
; APPLICANT: Rambosek, John
; TITLE OF INVENTION: NOVEL BIOPROCESS FOR PREPARING 7-ADCA
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: 126 E. Lincoln Avenue
; CITY: Rahway,
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07065

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/933,469A
FILING DATE: 19920828
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/757,879

FILING DATE: 11-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Speer, Raymond M.
REGISTRATION NUMBER: 26,810
REFERENCE/DOCKET NUMBER: [07/757,879] 18532
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-4481
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-933-469A-1

Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1677 CCCTGGTGCTCT 1687

Db 14 CCATGGTGCTCT 4

RESULT 552

US-08-250-310-1/c
; Sequence 1, Application US/08250310
; Patent No. 5559005
; GENERAL INFORMATION:
; APPLICANT: Conder, Michael J.
; APPLICANT: McAda, Phyllis
; APPLICANT: Rambosek, John
; APPLICANT: Reeves, Christopher D.
; TITLE OF INVENTION: No. 5559005el Bioprocess for Preparing 7-ACA and 7-ADAC
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: 126 E. Lincoln Ave
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07065

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/250,310
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/953,492
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Speer, Raymond M.
REGISTRATION NUMBER: 26,810
REFERENCE/DOCKET NUMBER: 185721A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-4481
TELEFAX: (908) 594-4720

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-250-310-1

Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1677 CCCTGGTGCTCT 1687

Db 14 CCATGGTGCTCT 4

RESULT 553

US-08-379-496-7/c
; Sequence 7, Application US/08379496
; Patent No. 5593833
; GENERAL INFORMATION:
; APPLICANT: MORRISON, Nigel A
; APPLICANT: EISMAN, John A
; APPLICANT: KELLY, Paul J
; TITLE OF INVENTION: Assessment of Trans-Acting Factors Allelic
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz
; STREET: Suite 701-E, 555 13th Street.N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004

```

;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/379,496
; FILING DATE: 02-MAR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: ERNST, Barbara G
; REGISTRATION NUMBER: 30,377
; REFERENCE/DOCKET NUMBER: 1871-114
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 783-6040
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "OLIGONUCLEOTIDE"
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
;
US-08-379-496-7

Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 76.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1668 CAGCTGGACCCCT 1680
DB 14 CAGCTGGGCMCCT 2

RESULT 554
US-08-439-404-1/c
; Sequence 1, Application US/08439404
; Patent No. 5629171
; GENERAL INFORMATION:
; APPLICANT: Conder, Michael J.
; APPLICANT: McAda, Phyllis
; APPLICANT: Rambosek, John
; APPLICANT: Reeves, Christopher D.
; TITLE OF INVENTION: No. 5629171el Bioprocess for Preparing 7-ACA and 7-ADAC
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John W. Wallen, III
; STREET: 126 E. Lincoln Ave, P.O. Box 2000
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07065-0907
;
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/439,404
; FILING DATE: 11-May-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Wallen, John W.
; REGISTRATION NUMBER: 35,403
; REFERENCE/DOCKET NUMBER: 18572DA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3305
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
;
US-08-390-858B-28

Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1647 AGAAGGCAAGC 1657
DB 12 AGAATGCAGC 2

RESULT 556
US-08-282-197C-5/c
; Sequence 5, Application US/08282197C
; Patent No. 5871730
; GENERAL INFORMATION:
; APPLICANT: Brzezinski, Ryszard
; APPLICANT: Dery, Claude V
;
US-08-390-858B-28
```

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;
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
;
US-08-439-404-1

Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1677 CCTGGTGTCT 1687
DB 14 CCATGGTGTCT 4

RESULT 555
US-08-390-858B-28/c
; Sequence 28, Application US/08390858B
; Patent No. 5643727
; GENERAL INFORMATION:
; APPLICANT: Reed, John C.
; APPLICANT: Harigai, Masayoshi
; TITLE OF INVENTION: Bcl-2 Gene Inhibitory Element Binding
; TITLE OF INVENTION: Factor
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
;
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,858B
; FILING DATE: 16-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 1366
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
;
US-08-390-858B-28

Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1647 AGAAGGCAAGC 1657
DB 12 AGAATGCAGC 2

RESULT 556
US-08-282-197C-5/c
; Sequence 5, Application US/08282197C
; Patent No. 5871730
; GENERAL INFORMATION:
; APPLICANT: Brzezinski, Ryszard
; APPLICANT: Dery, Claude V
;
US-08-390-858B-28
```



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; APPLICANT: Beaulieu, Carole
; TITLE OF INVENTION: Thermostable Xylanase DNA, Protein and
; METHODS OF USE
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Ave., NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/282,197C
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Cimbala, Michele A
; REGISTRATION NUMBER: 33,851
; REFERENCE/DOCKET NUMBER: 1050.0410000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; US-08-282-197C-5

```

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Query Match      6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1683 TGTCTCTCTCCA 1693
DB 12 TGTCTCTCTCCA 2

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RESULT 557
US-08-327-1/C
; Sequence 1, Application US/08839327
; Patent No. 6017726
; GENERAL INFORMATION:
; APPLICANT: CONDER, MICHAEL;
; APPLICANT: MCADA, PHYLLIS; RAMBOSEK, JOHN;
; APPLICANT: REEVES, CHRISTOPHER
; TITLE OF INVENTION: NOVEL BIOPROCESS FOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN, MUSERLIAN AND
; ADDRESSEE: LUCAS, LLP
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS WORD 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/839,327
; FILING DATE: 17-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 439,404

```

```

; FILING DATE: 11-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 250,310
; FILING DATE: 27-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 953,492
; FILING DATE: 06-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 777,833
; FILING DATE: 15-OCT-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 253.171-DIV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-661-8000
; TELEFAX: 212-661-8002
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; US-08-839-327-1

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```

Query Match      6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1677 CCTGGTGCTCT 1687
DB 14 CCATGGTGCTCT 4

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RESULT 558
US-08-757-024-440
; Sequence 440, Application US/08757024
; Patent No. 6025339
; GENERAL INFORMATION:
; APPLICANT: NYCE, Jonathan W.
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
; NUMBER OF SEQUENCES: 952
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,024
; FILING DATE: 26-NOV-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5218-41
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 440:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

```

```
; MOLECULE TYPE: DNA (genomic)
US-08-757-024-440
Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAG 1730
Db 4 CTGAGATGGAG 14

RESULT 559
US-08-757-024-470
Sequence 470, Application US/08757024
Patent No. 6025339
GENERAL INFORMATION:
APPLICANT: NYCE, Jonathan W.
TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
NUMBER OF SEQUENCES: 952
CORRESPONDENCE ADDRESS:
ADDRESSEE: BELL, SELTZER, PARK & GIBSON
STREET: P.O. Drawer 34009
CITY: Charlotte
STATE: No. 6025339th Carolina
COUNTRY: USA
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
TELEX: 575102
INFORMATION FOR SEQ ID NO: 499:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-757-024-499
Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAG 1730
Db 2 CTGAGATGGAG 12

RESULT 561
US-08-757-024-527
Sequence 527, Application US/08757024
Patent No. 6025339
GENERAL INFORMATION:
APPLICANT: NYCE, Jonathan W.
TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
NUMBER OF SEQUENCES: 952
CORRESPONDENCE ADDRESS:
ADDRESSEE: BELL, SELTZER, PARK & GIBSON
STREET: P.O. Drawer 34009
CITY: Charlotte
STATE: No. 6025339th Carolina
COUNTRY: USA
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
TELEX: 575102
INFORMATION FOR SEQ ID NO: 527:
SEQUENCE CHARACTERISTICS:
; MOLECULE TYPE: DNA (genomic)
US-08-757-024-470
Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAG 1730
Db 3 CTGAGATGGAG 13

RESULT 560
US-08-757-024-499
Sequence 499, Application US/08757024
Patent No. 6025339
GENERAL INFORMATION:
APPLICANT: NYCE, Jonathan W.
TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
NUMBER OF SEQUENCES: 952
CORRESPONDENCE ADDRESS:
ADDRESSEE: BELL, SELTZER, PARK & GIBSON
STREET: P.O. Drawer 34009
```

```
/ LENGTH: 14 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
US-08-757-024-527

Query Match
Best Local Similarity 6.8%; Score 9.4; DB 1; Length 14;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1720 CGGAGTGAG 1730
Db 1 CTGAGATGAG 11

RESULT 562
US-08-985-162-1845
; Sequence 1845, Application US/08985162
; Patent No. 6057156
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,162
; FILING DATE: 04 December 1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1845:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-985-162-1845

Query Match
Best Local Similarity 6.8%; Score 9.4; DB 1; Length 14;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1666 CACAGCTGGAA 1676
Db 2 CACAGCTGAAA 12

/ LENGTH: 14 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
US-09-340-781B-1/c

Query Match
Best Local Similarity 6.8%; Score 9.4; DB 1; Length 14;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1677 CCTGGTGTCT 1687
Db 14 CCAATGGTCT 4

RESULT 563
US-09-340-781B-1/c
; Sequence 1, Application US/09340781B
; Patent No. 6071713
; GENERAL INFORMATION:
; APPLICANT: Conder, Michael J.
; APPLICANT: McAda, Phyllis
; APPLICANT: Rambosek, John
; APPLICANT: Reeves, Christopher D.
; TITLE OF INVENTION: No. 6071713el Bioprocess for Preparing 7-ACA and 7-ADAC
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John W. Wallen, III
; STREET: 126 E. Lincoln Ave; P.O. Box 2000
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/340,781B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/439,404
; FILING DATE: 11-May-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Wallen, John W.
; REGISTRATION NUMBER: 35,403
; REFERENCE/DOCKET NUMBER: 18572DA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3905
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-340-781B-1

Query Match
Best Local Similarity 6.8%; Score 9.4; DB 1; Length 14;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1677 CCTGGTGTCT 1687
Db 14 CCAATGGTCT 4

RESULT 564
US-08-666-341A-21
; Sequence 21, Application US/08666341A
; Patent No. 6365345
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Antisense nucleic Acids for the
; TITLE OF INVENTION: Prevention and treatment of disorders in which expression
; TITLE OF INVENTION: of c-erbB plays a role
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman and Stern, PLLC
; STREET: 400 Seventh street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
```

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; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disc
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/666,341A
; FILING DATE: 15-AUG-1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 93120710.4
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: YES
; US-08-666-341A-21
;
Query Match          6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred.No.3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1696 GTGGTGAAGT 1706
        |||||
DB       3 GTGGTTGAAGT 13

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US-08-666-341A-36
; Sequence 36, Application US/08666341A
; Patent No. 6365345
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Amino nucleic Acids for the
; TITLE OF INVENTION: prevention and treatment of disorders in which expression
; TITLE OF INVENTION: of c-erbB plays a role
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman and Stern, PLLC
; STREET: 400 Seventh street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disc
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/666,341A
; FILING DATE: 15-AUG-1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 93120710.4
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: YES
; US-08-666-341A-36

Query Match 6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/985,162
; FILING DATE: 04 December 1997
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; SEQUENCE CHARACTERISTICS:
; INFORMATION FOR SEQ ID NO: 1845:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-401-063-1845

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Query Match          6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 81.8%; Pred. No. 3.2e+02;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1666 CACAGCTGCAA 1676
    |||||:|
Db 2 CACAGCUGAAA 12

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RESULT 568
US-09-874-601-5/c
; Sequence 5, Application US/09874601
; Patent No. 6632057

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; GENERAL INFORMATION:
; APPLICANT: LEWIN, ALFRED S.
; APPLICANT: SHAW, LYNN C.
; APPLICANT: GRANT, MARIA B.
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRUS-DELIVERED RIBOZYME COMPOSITIONS AND METHOD
; TITLE OF INVENTION: THE TREATMENT OF RETINAL DISEASES
; FILE REFERENCE: 4300.014100
; CURRENT APPLICATION NUMBER: US/09/874,601
; CURRENT FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: 09/063,667
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/046,147
; PRIOR FILING DATE: 1997-05-09
; PRIOR APPLICATION NUMBER: 60/044,492
; PRIOR FILING DATE: 1997-04-21
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: ()..()
; OTHER INFORMATION: SYNTHETIC OLIGONUCLEOTIDE
; US-09-874-601-5

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Query Match          6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1648 GAAGGCCAGCA 1658
    |||||
Db 11 GAAGGCCAGCA 1

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RESULT 569
US-09-874-601-120
; Sequence 120, Application US/09874601

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; Patent No. 6632057
; GENERAL INFORMATION:
; APPLICANT: LEWIN, ALFRED S.
; APPLICANT: SHAW, LYNN C.
; APPLICANT: GRANT, MARIA B.
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRUS-DELIVERED RIBOZYME COMPOSITIONS AND METHOD
; TITLE OF INVENTION: THE TREATMENT OF RETINAL DISEASES
; FILE REFERENCE: 4300.014100
; CURRENT APPLICATION NUMBER: US/09/874,601
; CURRENT FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: 09/063,667
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/046,147
; PRIOR FILING DATE: 1997-05-09
; PRIOR APPLICATION NUMBER: 60/044,492
; PRIOR FILING DATE: 1997-04-21
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 120
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: ()..()
; OTHER INFORMATION: SYNTHETIC OLIGONUCLEOTIDE
; US-09-874-601-120

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Query Match          6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 3.2e+02;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1641 TGTCAGCAGAG 1651
    :||:|
Db 1 UGUAGUGAAG 11

```

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RESULT 570
5171843-1
; Patent No. 5171843
; APPLICANT: NUSSENZWEIG, VICTOR
; PURIFYING IT
; NUMBER OF SEQUENCES: 13
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/175,112
; FILING DATE: 30-MAR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 754,645
; FILING DATE: 9-JUL-1985
; APPLICATION NUMBER: 115,634
; FILING DATE: 26-OCT-1987
; APPLICATION NUMBER: 649,903
; FILING DATE: 12-SEP-1984
; SEQ ID NO:1:
; LENGTH: 14
; 5171843-1

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Query Match          6.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1672 TGGAAACCTCG 1682
    |||||
Db 4 TGGAAACCATGG 14

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RESULT 571
US-08-584-040-8497/c
; Sequence 8497, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Favco, Pamela

```

APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 8497:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-584-040-8497

Query Match 6.8%; Score 9.4; DB 1; Length 15;
Best Local Similarity 90.9%; Pred. No. 3.6e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGA 1731
Db 15 GGATATGGAGA 5

RESULT 572
US-09-371-772B-4151/c
Sequence 4151, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MEH00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
PRIOR FILING DATE: 1999-08-10
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040

PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4151
LENGTH: 15
TYPE: RNA
ORGANISM: Mus sp.
US-09-371-772B-4151

Query Match 6.8%; Score 9.4; DB 1; Length 15;
Best Local Similarity 90.9%; Pred. No. 3.6e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGA 1731
Db 15 GGATATGGAGA 5

RESULT 573
US-09-798-096-16
Sequence 16, Application US/09798096
Patent No. 6399378
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF REQL2 EXPRESSION
FILE REFERENCE: RTS-0207
CURRENT APPLICATION NUMBER: US/09/798,096
CURRENT FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 16
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-798-096-16

Query Match 6.8%; Score 9.4; DB 1; Length 20;
Best Local Similarity 68.4%; Pred. No. 5.1e+02;
Matches 13; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGAACCC 1679
Db 2 AGGATTACAGGTGTGAGCC 20

RESULT 574
US-08-311-486C-622
Sequence 622, Application US/08311486C
Patent No. 5811300
GENERAL INFORMATION:
APPLICANT: Sean Sullivan
APPLICANT: Kenneth Draper
APPLICANT: Kevin Kisich
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: TNF-
NUMBER OF SEQUENCES: 1157
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage

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;
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,486C
; FILING DATE: September 23, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/166
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 622:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-311-486C-622

Query Match 6.6%; Score 9.2; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 3.9e+02;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1661 AGGCTCAGCTGG 1674
Db 2 AGUCUCCAGCUGG 15

;
; RESULT 575
; US-08-584-040-7909
; Sequence 7909, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; two
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;
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 7909:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-584-040-7909

Query Match 6.6%; Score 9.2; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 4.6e+02;
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1726 TGGAGATTGGCTCC 1739
Db 2 UGGCGCUUGGCUUC 15

;
; RESULT 576
; US-09-371-772B-3692
; Sequence 3692, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3692
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus sp.
; US-09-371-772B-3692

Query Match 6.6%; Score 9.2; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 4.6e+02;
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1726 TGGAGATTGGCTCC 1739
Db 2 UGGCGCUUGGCUUC 15

;
; RESULT 577
; US-08-432-871C-4/c
; Sequence 4, Application US/08432871C
; Patent No. 5877010
; GENERAL INFORMATION:
; APPLICANT: Loeb, Lawrence A.
; APPLICANT: Black, Margaret E.
; TITLE OF INVENTION: THYMIDINE KINASE MUTANTS
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
```


; LENGTH: 11
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-249-155A-43

Query Match 6.5%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred.No. 2.6e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1634 TGGGGCTTG 1642
| | | | | | | | | | | | |
Db 11 TGGGGCTTG 3

RESULT 581
US-09-249-155A-181/c
; Sequence 181, Application US/09249155A
; Patent No. 6538173
; GENERAL INFORMATION:
; APPLICANT: Heber-Katz, Ellen
; TITLE OF INVENTION: Compositions and Methods for Wound
; FILE REFERENCE: 00486.78503
; CURRENT APPLICATION NUMBER: US/09/249.155A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,737
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/097,937
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: US 60/102,051
; PRIOR FILING DATE: 1998-09-28
; NUMBER OF SEQ ID NOS: 346
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 181
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-249-155A-181

Query Match 6.5%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred.No. 2.6e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1634 TGGGGCTTG 1642
| | | | | | | | | | | | |
Db 11 TGGGGCTTG 3

Search completed: August 30, 2004, 09:22:43
Job time : 2 secs

GenCore version 5.1.6
 Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 30, 2004, 09:24:31 ; Search time 1 Seconds
 (without alignments)
 3.278 Million cell updates/sec

Title: US-09-925-139-3
 Perfect score: 139
 Sequence: 1 ggaatgggctgtacagaa.....ctatcctaaaggccactgg 139

Scoring table: IDENTITY NUC
 Gapop 10.0 , Gapext 0.5

Searched: 686 seqs, 11792 residues

Total number of hits satisfying chosen parameters: 1372

Minimum DB seq length: 8
 Maximum DB seq length: 50

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 708 summaries

Database : rnpb3.seq:*

Pred. No. is the number of results predicted by chance to have a
 score greater than or equal to the score of the result being printed,
 and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	34	24.5	50	1	US-10-131-827-1795
C 2	21	15.1	21	1	US-10-239-504-34
C 3	20	14.4	20	1	US-09-802-640-52
C 4	20	14.4	20	1	US-09-925-139-5
C 5	20	14.4	20	1	US-09-925-139-28
C 6	20	14.4	20	1	US-09-925-139-29
C 7	20	14.4	20	1	US-09-925-139-30
C 8	20	14.4	20	1	US-09-925-139-47
C 9	20	14.4	20	1	US-09-925-139-48
C 10	20	14.4	20	1	US-09-925-139-49
C 11	20	14.4	20	1	US-09-925-139-50
C 12	20	14.4	20	1	US-10-403-902A-52
C 13	16.8	12.1	21	1	US-10-257-080-5
C 14	16.2	11.7	22	1	US-09-754-106-102
C 15	15.2	10.9	20	1	US-09-865-879-19
C 16	14.8	10.6	18	1	US-10-648-512-62
C 17	14.8	10.6	20	1	US-10-005-956-1205
C 18	14.8	10.6	20	1	US-10-671-395-411
C 19	14.8	10.6	20	1	US-10-671-395-451
C 20	14.8	10.6	20	1	US-10-671-395-555
C 21	14.8	10.6	21	1	US-10-044-423-19
C 22	14.6	10.5	21	1	US-09-382-860-231
C 23	14.4	10.4	17	1	US-09-827-395A-480
C 24	14.4	10.4	17	1	US-09-827-395A-481
C 25	14.4	10.4	17	1	US-10-430-882-480
C 26	14.4	10.4	17	1	US-10-430-882-481
C 27	14.4	10.4	20	1	US-10-032-585-5725
C 28	14.4	10.4	21	1	US-09-770-107-60
C 29	14.2	10.2	20	1	US-10-642-802-147
C 30	14.2	10.2	20	1	US-10-238-011-39
C 31	14.2	10.2	20	1	US-10-001-076-147
C 32	14.2	10.2	20	1	US-10-105-004-109
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C 411	11.2	8.1	16	1	US-10-138-674-5657	Sequence 5657, Ap	C 484	11.2	8.1	17	1	US-10-342-902-399	Sequence 399, App
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C 427	11.2	8.1	17	1	US-09-866-108-7984	Sequence 7984, Ap	C 500	11.2	8.1	17	1	US-10-060-830-649	Sequence 649, App
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C 555	11.2	8.1	17	1	US-10-138-674-4204	Sequence 4204, Ap	628	10.8	7.8	16	1	US-10-138-674-5880	Sequence 5880, Ap
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C 557	11.2	8.1	17	1	US-10-138-674-4205	Sequence 4205, Ap	630	10.8	7.8	16	1	US-10-287-949A-5803	Sequence 5803, Ap
C 558	11.2	8.1	17	1	US-10-138-674-5053	Sequence 5053, Ap	C 631	10.8	7.8	16	1	US-10-287-949A-5912	Sequence 5880, Ap
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C 567	11.2	8.1	17	1	US-10-287-949A-4205	Sequence 4205, Ap	C 640	10.4	7.5	14	1	US-10-027-632-51889	Sequence 51889, A
C 568	11.2	8.1	17	1	US-10-287-949A-5053	Sequence 5053, Ap	641	10.4	7.5	14	1	US-10-027-632-51889	Sequence 51894, A
C 569	11.2	8.1	17	1	US-10-287-949A-5054	Sequence 5054, Ap	C 642	10.4	7.5	14	1	US-10-027-632-51894	Sequence 51894, A
C 570	11.2	8.1	17	1	US-10-287-949A-5167	Sequence 5167, Ap	C 643	10.4	7.5	14	1	US-10-146-058-90	Sequence 90, Appl
C 571	11.2	8.1	17	1	US-10-712-672-14	Sequence 14, Appl	C 644	10.4	7.5	14	1	US-10-376-770-65	Sequence 65, Appl
C 572	11.2	8.1	17	1	US-10-712-672-522	Sequence 522, App	645	10.4	7.5	14	1	US-10-661-165-65	Sequence 65, Appl
C 573	11.2	8.1	17	1	US-10-712-672-556	Sequence 556, App	646	10.4	7.5	14	1	US-09-504-231A-361	Sequence 361, App
C 574	11.2	8.1	17	1	US-10-712-672-557	Sequence 557, App	C 647	10.4	7.5	15	1	US-09-504-231A-951	Sequence 951, App
C 575	11.2	8.1	17	1	US-10-712-672-2295	Sequence 2295, Ap	648	10.4	7.5	15	1	US-09-274-553D-361	Sequence 361, App
C 576	11.2	8.1	17	1	US-10-712-672-2501	Sequence 2501, Ap	C 649	10.4	7.5	15	1	US-09-274-553D-951	Sequence 951, App
C 577	11.2	8.1	17	1	US-10-712-672-2328	Sequence 2328, Ap	650	10.4	7.5	15	1	US-09-877-478-5948	Sequence 5948, Ap
C 578	11.2	8.1	17	1	US-10-669-841-3399	Sequence 3399, App	651	10.4	7.5	15	1	US-10-342-902-5948	Sequence 5948, Ap
C 579	11.2	8.1	17	1	US-10-669-841-571	Sequence 571, App	652	10.4	7.5	15	1	US-10-391-415-8	Sequence 8, Appl
C 580	11.2	8.1	17	1	US-10-669-841-572	Sequence 572, App	C 653	10.4	7.5	15	1	US-10-056-414-211	Sequence 211, App
C 581	11.2	8.1	17	1	US-10-669-841-1746	Sequence 1746, Ap	654	10.4	7.5	15	1	US-10-287-919-793	Sequence 793, App
C 582	11.2	8.1	17	1	US-10-669-841-2161	Sequence 2161, Ap	C 655	10.4	7.5	15	1	US-10-202-896-27	Sequence 27, Appl
C 583	11.2	8.1	17	1	US-10-669-841-2166	Sequence 2166, Ap	656	10.4	7.5	15	1	US-10-044-674-6	Sequence 67, Appl
C 584	11.2	8.1	17	1	US-10-669-841-2167	Sequence 2167, Ap	657	10.4	7.5	15	1	US-10-044-674-56	Sequence 56, Appl
C 585	11.2	8.1	17	1	US-10-669-841-3152	Sequence 3152, Ap	658	10.4	7.5	15	1	US-10-440-850-645	Sequence 645, App
C 586	11.2	8.1	17	1	US-10-669-841-3412	Sequence 3412, Ap	C 659	10.4	7.5	15	1	US-10-333-088-114	Sequence 114, App
C 587	11.2	8.1	17	1	US-10-669-841-3452	Sequence 3452, Ap	660	10.4	7.5	15	1	US-10-376-770-211	Sequence 211, App
C 588	11.2	8.1	17	1	US-10-669-841-6289	Sequence 6289, Ap	C 661	10.4	7.5	15	1	US-10-669-841-2351	Sequence 2351, Ap
C 589	11.2	8.1	17	1	US-10-669-841-6329	Sequence 6329, Ap	662	10.4	7.5	15	1	US-10-661-165-211	Sequence 211, App
C 590	11.2	8.1	17	1	US-10-669-841-6589	Sequence 6589, Ap	C 663	10.4	7.5	15	1	US-10-227-719D-12	Sequence 12, Appl
C 591	11.2	8.1	17	1	US-10-723-361-529	Sequence 529, App	664	10.4	7.5	16	1	US-10-092-208-2	Sequence 2, Appl
C 592	11.2	8.1	17	1	US-10-723-361-1263	Sequence 1263, Ap	C 665	10.4	7.5	16	1	US-10-091-281-124	Sequence 124, App
C 593	11.2	8.1	17	1	US-10-723-361-1265	Sequence 1265, Ap	666	10.4	7.5	16	1	US-10-331-109-11	Sequence 11, Appl
C 594	11.2	8.1	17	1	US-10-723-361-1285	Sequence 1285, Ap	667	10.4	7.5	16	1	US-10-138-674-5910	Sequence 5910, Ap
C 595	11.2	8.1	17	1	US-10-723-361-1286	Sequence 1286, Ap	C 668	10.4	7.5	16	1	US-10-138-674-7125	Sequence 7125, Ap
C 596	11.2	8.1	17	1	US-10-723-361-7832	Sequence 7832, Ap	669	10.4	7.5	16	1	US-10-407-807-32	Sequence 32, Appl
C 597	11.2	8.1	17	1	US-10-723-361-7984	Sequence 7984, Ap	C 670	10.4	7.5	16	1	US-10-287-949A-5910	Sequence 5910, Ap
C 598	11.2	8.1	17	1	US-10-723-361-7985	Sequence 7985, Ap	C 671	10.4	7.5	16	1	US-10-287-949A-7125	Sequence 7125, Ap
C 599	11.2	8.1	17	1	US-10-723-361-9657	Sequence 9657, Ap	C 672	10.4	7.5	16	1	US-10-459-184-37	Sequence 37, Appl
C 600	11.2	8.1	17	1	US-10-723-361-9659	Sequence 9659, Ap	C 673	10.4	7.5	16	1	US-10-114-824A-52	Sequence 52, Appl
C 601	11.2	8.1	17	1	US-10-723-361-10208	Sequence 10208, A	C 674	10.4	7.5	17	1	US-10-224-005-20	Sequence 20, Appl
C 602	11.2	8.1	17	1	US-10-723-361-10209	Sequence 10209, A	C 675	10.4	7.5	17	1	US-09-864-785-3708	Sequence 3708, Ap
C 603	11.2	8.1	17	1	US-10-417-264-4	Sequence 4, Appl	C 676	10.4	7.5	17	1	US-09-877-478-5955	Sequence 5955, Ap
C 604	11.2	8.1	17	1	US-10-417-264-5	Sequence 5, Appl	C 677	10.4	7.5	18	1	US-09-877-478-6533	Sequence 6533, Ap
C 605	11	7.9	12	1	US-10-661-165-376	Sequence 376, App	C 678	10.4	7.5	15	1	US-09-943-983-61	Sequence 61, Appl
C 606	11	7.9	16	1	US-10-287-226-558	Sequence 558, App	C 679	10.4	7.5	19	1	US-09-093-972C-579	Sequence 579, App
C 607	11	7.9	16	1	US-10-331-109-15	Sequence 15, Appl	680	10.2	7.3	15	1	US-10-224-005-181	Sequence 181, App
C 608	11	7.9	16	1	US-10-455-013-17	Sequence 17, Appl	681	10.2	7.3	15	1	US-09-864-785-3708	Sequence 3708, Ap
C 609	11	7.9	16	1	US-10-455-013-29	Sequence 29, Appl	682	10.2	7.3	15	1	US-09-877-478-5955	Sequence 5955, Ap
C 610	11	7.9	16	1	US-10-627-250-17	Sequence 17, Appl	683	10.2	7.3	15	1	US-09-877-478-6533	Sequence 6533, Ap
C 611	11	7.9	16	1	US-10-627-250-29	Sequence 29, Appl	C 684	10.2	7.3	15	1	US-09-943-983-61	Sequence 61, Appl
C 612	10.8	7.8	14	1	US-09-943-983-4	Sequence 4, Appl	685	10.2	7.3	15	1	US-09-093-972C-579	Sequence 579, App
C 613	10.8	7.8	15	1	US-09-263-939-672	Sequence 672, App	C 686	10.2	7.3	15	1	US-09-740-332-4786	Sequence 4786, Ap
C 614	10.8	7.8	15	1	US-09-263-959-708	Sequence 708, App	C 687	10.2	7.3	15	1	US-09-740-332-4796	Sequence 4796, Ap
C 615	10.8	7.8	15	1	US-09-860-784-8	Sequence 8, Appl	C 688	10.2	7.3	15	1	US-09-817-879-4786	Sequence 4786, Ap
C 616	10.8	7.8	15	1	US-09-835-371-5	Sequence 5, Appl	C 689	10.2	7.3	15	1	US-09-817-879-4796	Sequence 4796, Ap
C 617	10.8	7.8	15	1	US-09-835-370-5	Sequence 5, Appl	690	10.2	7.3	15	1	US-09-835-694-19	Sequence 19, Appl
												US-09-835-694-23	Sequence 23, Appl

691 10.2 7.3 15 1 US-10-342-902-5955 Sequence 5955, Ap
692 10.2 7.3 15 1 US-10-342-902-6533 Sequence 6533, Ap
693 10.2 7.3 15 1 US-10-339-674-1741 Sequence 1741, Ap
694 10.2 7.3 15 1 US-10-339-674-3176 Sequence 3176, Ap
695 10.2 7.3 15 1 US-10-056-414-340 Sequence 340, App
696 10.2 7.3 15 1 US-10-043-875-258 Sequence 258, App
697 10.2 7.3 15 1 US-10-043-875-262 Sequence 262, App
698 10.2 7.3 15 1 US-10-156-306-7875 Sequence 7875, Ap
699 10.2 7.3 15 1 US-10-160-358-31 Sequence 31, Appl
700 10.2 7.3 15 1 US-10-440-850-282 Sequence 282, App
701 10.2 7.3 15 1 US-10-440-850-497 Sequence 497, App
702 10.2 7.3 15 1 US-10-271-602B-193 Sequence 193, App
703 10.2 7.3 15 1 US-10-271-602B-195 Sequence 195, App
704 10.2 7.3 15 1 US-10-376-341-211 Sequence 211, App
705 10.2 7.3 15 1 US-10-669-841-2358 Sequence 2358, App
706 10.2 7.3 15 1 US-10-669-841-2586 Sequence 2586, App
707 10.2 7.3 15 1 US-10-669-841-7362 Sequence 7362, Ap
708 10.2 7.3 15 1 US-10-669-841-7383 Sequence 7383, Ap

ALIGNMENTS

RESULT 1
US-10-131-827-1795
; Sequence 1795, Application US/10131827
; Publication No. US2004009479A1
; GENERAL INFORMATION:
; APPLICANT: Wohlgemuth, Jay
; APPLICANT: Ffy, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: Ly, Ngoc
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
; FILE OF INVENTION: CHRONIC INFLAMMATORY DISEASES
; FILE REFERENCE: 506612000120
; CURRENT APPLICATION NUMBER: US/10/131.827
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 10/006,290
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/296,764
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 9090
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1795
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-827-1795

Query Match 24.5%; Score 34; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1736 CTCCCAACTCTCCCTATCTCTAAAGGCCCACTGG 1769
|||||
Db 1 CTCCCAACTCTCCCTATCTCTAAAGGCCCACTGG 34

RESULT 2
US-10-239-504-34/c
; Sequence 34, Application US/10239504
; Publication No. US20040132018A1
; GENERAL INFORMATION:
; APPLICANT: NAGANO, MAKOTO
; APPLICANT: ITO, MAYUMI
; APPLICANT: SAGEHASHI, YUKIKO
; APPLICANT: HATTORI, HIROAKI
; APPLICANT: EGASHIRA, SHIZUYA
; APPLICANT: MATSUZAWA, YUJI
; TITLE OF INVENTION: METHOD OF DETECTING RISK FACTOR FOR THE ONSET OF
; FILE OF INVENTION: ARTERIOSCLEROSIS
; FILE REFERENCE: Q72096
; CURRENT APPLICATION NUMBER: US/10/239,504

; CURRENT FILING DATE: 2003-08-06
; PRIOR APPLICATION NUMBER: PCT/JP01/02327
; PRIOR FILING DATE: 2001-C3-23
; PRIOR APPLICATION NUMBER: JP 2000-84264
; PRIOR FILING DATE: 2000-C3-24
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
US-10-239-504-34

Query Match 15.1%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1665 TCACAGCTGGAACCTGGTGT 1685
|||||
Db 21 TCACAGCTGGAACCTGGTGT 1

RESULT 3
US-09-802-640-52/c
; Sequence 52, Application US/09802640
; Publication No. US20030036057A1
; GENERAL INFORMATION:
; APPLICANT: Braun, Andreas
; APPLICANT: Bonsal Aruna
; APPLICANT: Kleyrn Patrick
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH
; FILE OF INVENTION: CARDIOVASCULAR DISEASE AND THEIR USE
; FILE REFERENCE: 24736-2048
; CURRENT APPLICATION NUMBER: US/09/802,640
; CURRENT FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-802-640-52

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1639 CTTGTAGCAGAG3CAAGCA 1658
|||||
Db 20 CTTGTAGCAGAG3CAAGCA 1

RESULT 4
US-09-925-139-5/c
; Sequence 5, Application US/09925139
; Publication No. US20030092647A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Pam Neiro
; APPLICANT: Edward Wancewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF CHOLESTERYL ESTER TRANSFER PROTEIN EXPRES
; FILE OF INVENTION: ISPH-0596
; FILE REFERENCE: ISPH-0596
; CURRENT APPLICATION NUMBER: US/09/925,139
; CURRENT FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5

; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-09-925-139-5

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1695 CTTGGTGAAGTTGGGTAG 1714
|||||
Db 20 CTTGGTGAAGTTGGGTAG 1

RESULT 5

US-09-925-139-28/c
; Sequence 28, Application US/09925139
; Publication No. US20030092647A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Pam Nero
; APPLICANT: Edward Wanciewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF CHOLESTERYL ESTER TRANSFER PROTEIN EXPRES
; FILE REFERENCE: ISPH-0596
; CURRENT APPLICATION NUMBER: US/09/925,139
; CURRENT FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-925-139-28

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1631 GGATGGGCTGTAGCAGAA 1650
|||||
Db 20 GGATGGGCTGTAGCAGAA 1

RESULT 6

US-09-925-139-29/c
; Sequence 29, Application US/09925139
; Publication No. US20030092647A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Pam Nero
; APPLICANT: Edward Wanciewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF CHOLESTERYL ESTER TRANSFER PROTEIN EXPRES
; FILE REFERENCE: ISPH-0596
; CURRENT APPLICATION NUMBER: US/09/925,139
; CURRENT FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-925-139-29

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1671 CTGGAACCTGTGTCTCCT 1690
|||||
Db 20 CTGGAACCTGTGTCTCCT 1

RESULT 7

US-09-925-139-30/c
; Sequence 30, Application US/09925139
; Publication No. US20030092647A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Pam Nero
; APPLICANT: Edward Wanciewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF CHOLESTERYL ESTER TRANSFER PROTEIN EXPRES
; FILE REFERENCE: ISPH-0596
; CURRENT APPLICATION NUMBER: US/09/925,139
; CURRENT FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-925-139-30

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1701 GGAAGTTGGTTAGGATAC 1720
|||||
Db 20 GGAAGTTGGTTAGGATAC 1

RESULT 8

US-09-925-139-47/c
; Sequence 47, Application US/09925139
; Publication No. US20030092647A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Pam Nero
; APPLICANT: Edward Wanciewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF CHOLESTERYL ESTER TRANSFER PROTEIN EXPRES
; FILE REFERENCE: ISPH-0596
; CURRENT APPLICATION NUMBER: US/09/925,139
; CURRENT FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-925-139-47

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1638 GCTTAGCAGAGGCAAGC 1657
|||||
Db 20 GCTTAGCAGAGGCAAGC 1

RESULT 9

US-09-925-139-48/c

; Sequence 48, Application US/09925139
; Publication No. US20030092647A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Pam Nero
; APPLICANT: Edward Wancewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF CHOLESTERYL ESTER TRANSFER PROTEIN EXPRES
; FILE REFERENCE: ISPH-0596
; CURRENT APPLICATION NUMBER: US/09/925,139
; CURRENT FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-925-139-48

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1693 AGCGTGTGGAGTTGGGTT 1712
|||||
Db 20 AGCGTGTGGAGTTGGGTT 1

RESULT 10

US-09-925-139-49/c
; Sequence 49, Application US/09925139
; Publication No. US20030092647A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Pam Nero
; APPLICANT: Edward Wancewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF CHOLESTERYL ESTER TRANSFER PROTEIN EXPRES
; FILE REFERENCE: ISPH-0596
; CURRENT APPLICATION NUMBER: US/09/925,139
; CURRENT FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 49
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-925-139-49

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1714 GGAGTACGGAGATGGAGATT 1733
|||||
Db 20 GGAGTACGGAGATGGAGATT 1

RESULT 11

US-09-925-139-50/c
; Sequence 50, Application US/09925139
; Publication No. US20030092647A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Pam Nero
; APPLICANT: Edward Wancewicz
; TITLE OF INVENTION: ANTISENSE MODULATION OF CHOLESTERYL ESTER TRANSFER PROTEIN EXPRES
; FILE REFERENCE: ISPH-0596

; CURRENT APPLICATION NUMBER: US/09/925,139
; CURRENT FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 50
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-925-139-50

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1750 CTATCCTAAAGGCCCACTGG 1769
|||||
Db 20 CTATCCTAAAGGCCCACTGG 1

RESULT 12

US-10-403-902A-52/c
; Sequence 52, Application US/10403902A
; Publication No. US20030224418A1
; GENERAL INFORMATION:
; APPLICANT: Braun, Andreas
; APPLICANT: Bansal, Aruna
; APPLICANT: Klynn, Patrick
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISEASE AND THEIR USE
; FILE REFERENCE: 24736-2048B
; CURRENT APPLICATION NUMBER: US/10/403,902A
; CURRENT FILING DATE: 2003-07-21
; PRIOR APPLICATION NUMBER: 09/802,640
; PRIOR FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-403-902A-52

Query Match 14.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1639 CTTGTAGCAGAGGCAAGCA 1658
|||||
Db 20 CTTGTAGCAGAGGCAAGCA 1

RESULT 13

US-10-257-080-5
; Sequence 5, Application US/10257080
; Publication No. US20030166000A1
; GENERAL INFORMATION:
; APPLICANT: MIWA, Masanori
; APPLICANT: MATSUI, Hideki
; APPLICANT: SHINTANI, Yasuhiro
; TITLE OF INVENTION: No. US20030166000A1e1 G Protein Coupled Receptor and its DNA
; FILE REFERENCE: 2715 USOP
; CURRENT APPLICATION NUMBER: US/10/257,080
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: PCT/JP01/03143
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: JP 2000-110765
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 7
; SEQ ID NO 5

```

; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-257-080-5

```

Query Match 12.1%; Score 16.8; DB 1; Length 21;
Best Local Similarity 90.0%; Pred. No. 55;
Matches 18; Conservative 0; Mismatches 2; Indels

Qy	1732	TTGGCTCCCAACTCCTCCCT	1751
Db	1	TTGGCTCCCAACTTCTCCTT	20

RESULT 14
US-09-754-106-102
; Sequence 102, Application US/09754106
; Publication No. US20030224355A1
; GENERAL INFORMATION:
; APPLICANT: Bell, Graeme I.
; APPLICANT: Yamagata, Kazuya
; APPLICANT: Oda, Naohisha
; APPLICANT: Kaisaki, Pamela J.
; APPLICANT: Furuta, Hiroto
; APPLICANT: Horikawa, Yukio
; APPLICANT: Menzel, Stephen
; TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY
; TITLE OF INVENTION: GENES HEPATOCTYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA
; TITLE OF INVENTION: AND HNF-4ALPHA
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
;

Query Match 11.7%; Score 16.2; DB 1; Length 22;

Best Local Similarity 85.7%; Pred. No. 78;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1658 ACCAGGCTCACAGCTGGAACC 1678
Db 2 ACCAGACTCACAGCCTGAACC 22

```

RESULT 15
US-09-865-879-19
; Sequence 19, Application US/09865879
; Publication No. US20030180707A1
; GENERAL INFORMATION:
; APPLICANT: Roninson, Igor
; APPLICANT: Dokmanovic, Milos
; APPLICANT: Chang, Bey-Dih
; TITLE OF INVENTION: REAGENTS AND METHODS FOR IDENTIFYING AND MODULATING EXPRESSION OF
; TITLE OF INVENTION: REGULATED BY RETINOIDS
; FILE REFERENCE: 99,216-H
; CURRENT APPLICATION NUMBER: US/09/865,879
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/207,535
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 19
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Antisense primer for beta IG-H3
US-09-865-879-19

```

Query Match 10.9%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 93;
Matches 17; Conservative 0; Mismatches 3; Indels

Qy 1653 CAAGCACCGGCTCACAGCT 1672
Db 1 CATGCACAAGGCTCACATCT 20

```

RESULT 16
US-10-648-512-62
; Sequence 62, Application US/10648512
; Publication No. US2004009692A1
; GENERAL INFORMATION:
; APPLICANT: Hildebrandt, Friedhelm
; APPLICANT: Otto, Edgar
; APPLICANT: Hoeefe, Julia
; APPLICANT: Ruf, Rainer
; APPLICANT: Mueller, Adelheid M.
; APPLICANT: Hiller, Karl S.
; APPLICANT: Wolf, Matthias T.F.
; APPLICANT: Schmermann, Maria J.
; APPLICANT: Becker, Achim
; TITLE OF INVENTION: NHPH Nucleic Acids and Proteins
; FILE REFERENCE: UM-08333
; CURRENT APPLICATION NUMBER: US/10/648,512
; CURRENT FILING DATE: 2003-08-26
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 62
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-648-512-62

```

Query Match	10.6%;	Score 14.8;	DB 1;	Length 18;
Best Local Similarity	88.9%;	Pred. No. 85;		

Query Match

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1677 CCTGGTGTCTCTCCAG 1694
|||||
Db 1 CCTGGTGTCTCTCTCG 18

RESULT 17

US-10-005-956-1205/c
; Sequence 1205, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
; FILE REFERENCE: D0053NP
; CURRENT APPLICATION NUMBER: US/10/005,956
; PRIOR FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: 60/251,015
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: 60/263,678
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/273,037
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1579
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1205
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-005-956-1205

Query Match 10.6%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1669 AGCTGGAACCTGGTCTC 1686
|||||
Db 19 AGCTGGAACCTGGTCTC 2

RESULT 18

US-10-671-395-411/c
; Sequence 411, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
; FILE REFERENCE: 1179/1/US
; CURRENT APPLICATION NUMBER: US/10/671,395
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,549
; PRIOR FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 1809
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 411
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-411

Query Match 10.6%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1697 TGGTGAAGTTGGGTTAG 1714
|||||
Db 20 TGGTGAAGCTGGGTGAG 3

RESULT 19

US-10-671-395-451/c
; Sequence 451, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Gierse, James K
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
; FILE REFERENCE: 1179/1/US
; CURRENT APPLICATION NUMBER: US/10/671,395
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,549
; PRIOR FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 1809
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 451
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-451

Query Match 10.6%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1697 TGGTGAAGTTGGGTTAG 1714
|||||
Db 19 TGGTGAAGCTGGGTGAG 2

RESULT 20

US-10-671-395-555/c
; Sequence 555, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Gierse, James K
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
; FILE REFERENCE: 1179/1/US
; CURRENT APPLICATION NUMBER: US/10/671,395
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,549
; PRIOR FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 1809
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 555
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-555

Query Match 10.6%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1697 TGGTGAAGTTGGGTTAG 1714
|||||
Db 18 TGGTGAAGCTGGGTGAG 1

RESULT 21

US-10-044-423-19/c
; Sequence 19, Application US/10044423
; Publication No. US20030165862A1
; GENERAL INFORMATION:
; APPLICANT: Chou, Tze-Bin
; TITLE OF INVENTION: DROSOPHILA CLIPPED FRT (CFRT) CHROMOSOME

```
/ TITLE OF INVENTION: INSENSITIVE TO P TRANSPOSASE, GENERATING METHOD THEREOF, AND
/ FILE REFERENCE: APPLICATION THEREOF
/ CURRENT APPLICATION NUMBER: 529872000100
/ CURRENT FILING DATE: 2002-09-05
/ NUMBER OF SEQ ID NOS: 35
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 19
/ LENGTH: 21
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic Construct
US-10-044-423-19
```

```
Query Match          10.6%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1648 GAAGGCAAGCACCAGGCT 1665
      ||| ||||| ||||| |||
Db 19 GAAAGCAGCACCAGGAT 2
```

RESULT 22

```
US-09-382-860-231/c
/ Sequence 231, Application US/09382860
/ Publication No. US20030110526A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Brown, Jr., Robert H.
/ APPLICANT: Liu, Jing
/ APPLICANT: Aoki, Masashi
/ APPLICANT: Hoffman, Eric
/ APPLICANT: Chou, Fan-Li
```

```
/ TITLE OF INVENTION: DYSFERLIN MUTATIONS
/ FILE REFERENCE: 00786/401002
/ CURRENT APPLICATION NUMBER: US/09/382,860
/ CURRENT FILING DATE: 1999-08-25
/ EARLIER APPLICATION NUMBER: US 60/097,930
/ EARLIER FILING DATE: 1998-08-25
```

```
/ NUMBER OF SEQ ID NOS: 293
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 231
```

```
/ TYPE: DNA
/ ORGANISM: Homo sapiens
```

```
US-09-382-860-231
```

```
Query Match          10.5%; Score 14.6; DB 1; Length 21;
Best Local Similarity 81.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 1677 CCTGGTGTCCTCCAGCGT 1697
      ||| ||| ||| ||||| |||
Db 21 CCGTGGGTCCCTCCAGCAT 1
```

RESULT 23

```
US-09-827-395A-480/c
/ Sequence 480, Application US/09827395A
/ Publication No. US20030113891A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: Lawrence Blatt
/ APPLICANT: James McSwiggen
/ APPLICANT: Bharat Chowrira
```

```
/ TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
/ FILE REFERENCE: MBH00-878-C (400/017)
/ CURRENT APPLICATION NUMBER: US/09/827,395A
/ CURRENT FILING DATE: 2001-04-05
/ PRIOR APPLICATION NUMBER: 09/780,533
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/181,797
```

```
/ PRIOR FILING DATE: 2000-02-11
/ NUMBER OF SEQ ID NOS: 2617
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 480
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
```

```
US-09-827-395A-480
```

```
Query Match          10.4%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 88;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1673 GGAACCCCTGGTGCTC 1688
      ||||| ||||| |||
Db 17 GGAACCCCTGGTGCTC 2
```

RESULT 24

```
US-09-827-395A-481/c
/ Sequence 481, Application US/09827395A
/ Publication No. US20030113891A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: Lawrence Blatt
/ APPLICANT: James McSwiggen
/ APPLICANT: Bharat Chowrira
```

```
/ TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
/ FILE REFERENCE: MBH00-878-C (400/017)
/ CURRENT APPLICATION NUMBER: US/09/827,395A
/ CURRENT FILING DATE: 2001-04-05
/ PRIOR APPLICATION NUMBER: 09/780,533
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/181,797
```

```
/ NUMBER OF SEQ ID NOS: 2617
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 481
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
```

```
US-09-827-395A-481
```

```
Query Match          10.4%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 88;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1673 GGAACCCCTGGTGCTC 1688
      ||||| ||||| |||
Db 16 GGAACCCCTGGTGCTC 1
```

RESULT 25

```
US-10-430-882-480/c
/ Sequence 480, Application US/10430882
/ Publication No. US20030203870A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: Lawrence Blatt
/ APPLICANT: James McSwiggen
/ APPLICANT: Bharat Chowrira
```

```
/ TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
/ FILE REFERENCE: MBH00-878-H (400/112)
/ CURRENT APPLICATION NUMBER: US/10/430,882
/ CURRENT FILING DATE: 2003-05-06
/ PRIOR APPLICATION NUMBER: 09/827,395
/ PRIOR FILING DATE: 2001-04-05
/ PRIOR APPLICATION NUMBER: 09/780,533
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: PCT/US01/04273
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/181,797
```

```

; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: PCT/US02/10512
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 480
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-430-882-480

Query Match
Best Local Similarity 10.4%; Score 14.4; DB 1; Length 17;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1673 GGAACCCCTGGTGCTC 1688
Db 17 GGAACCCCTGGTGCTC 2

RESULT 26
US-10-430-882-481/c
; Sequence 481, Application US/10430882
; Publication No. US20030203870A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; APPLICANT: Peter Haeblerli
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
; FILE REFERENCE: MBH800-878-H (400/112)
; CURRENT APPLICATION NUMBER: US/10/430,882
; CURRENT FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: 09/827,395
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: PCT/US01/04273
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: PCT/US02/10512
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 481
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-430-882-481

Query Match
Best Local Similarity 10.4%; Score 14.4; DB 1; Length 17;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1673 GGAACCCCTGGTGCTC 1688
Db 16 GGAACCCCTGGTGCTC 1

RESULT 27
US-10-032-585-5725
; Sequence 5725, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585

; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8003
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5725
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Candida albicans
US-10-032-585-5725

Query Match
Best Local Similarity 10.4%; Score 14.4; DB 1; Length 20;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1737 TCCCAACTCTCCCTA 1752
Db 1 TCCCAACTCTCCCA 16

RESULT 28
US-09-770-107-60/c
; Sequence 60, Application US/09770107
; Publication No. US20030054345A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Meyer, Joanne
; APPLICANT: Barrington-Martin, Rory
; APPLICANT: Parker, Alexander
; APPLICANT: Barnes, Glen
; TITLE OF INVENTION: Compositions and methods for the diagnosis and treatment of
; FILE REFERENCE: 3322/0H4C1
; CURRENT APPLICATION NUMBER: US/09/770,107
; CURRENT FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 60
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-770-107-60

Query Match
Best Local Similarity 10.4%; Score 14.4; DB 1; Length 21;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1640 TTGTAGCAGAGGCAA 1655
Db 19 TTGCAGCAGAGGCAA 4

RESULT 29
US-10-642-802-147/c
; Sequence 147, Application US/10642802
; Publication No. US20040043956A1
; GENERAL INFORMATION:
; APPLICANT: Mark J. Graham
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF COMPLEMENT COMPONENT C3 EXPRESSION
; FILE REFERENCE: RTS-0329
; CURRENT APPLICATION NUMBER: US/10/642,802
; CURRENT FILING DATE: 2003-08-18
; PRIOR APPLICATION NUMBER: US/10/001,076
; PRIOR FILING DATE: 2001-10-23
; NUMBER OF SEQ ID NOS: 173
; SEQ ID NO 147
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-642-802-147

Query Match
10.2%; Score 14.2; DB 1; Length 20;
```

```
; Best Local Similarity 84.2%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1653 CAAGCACCAGGCTCAGC 1671
Db | ||||| ||||| |||||
19 CCAGCACCCTGGCTGACG 1

RESULT 30
US-10-238-011-39
; Sequence 39, Application US/10238011
; Publication No. US20030091568A1
; GENERAL INFORMATION:
; APPLICANT: Frey Jorgen
; TITLE OF INVENTION: Inhibitors for the Formation of Soluble Human CD23
; FILE REFERENCE: 516326-2002
; CURRENT APPLICATION NUMBER: US/10/238,011
; CURRENT FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: EP 00 107 515.9
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 09/827,406
; PRIOR FILING DATE: 2000-04-05
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 39
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-238-011-39

Query Match 10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1738 CCCAACTCCTCCCTATCCT 1756
Db | ||||| ||||| |||||
1 CTCCACTCCTCCCTTTCT 19

RESULT 31
US-10-001-076-147/c
; Sequence 147, Application US/10001076
; Publication No. US20030096775A1
; GENERAL INFORMATION:
; APPLICANT: Mark J. Graham
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF COMPLEMENT COMPONENT C3 EXPRESSION
; FILE REFERENCE: RTS-0329
; CURRENT APPLICATION NUMBER: US/10/001,076
; CURRENT FILING DATE: 2001-10-23
; NUMBER OF SEQ ID NOS: 179
; SEQ ID NO 147
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-076-147

Query Match 10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1653 CAAGCACCAGGCTCAGC 1671
Db | ||||| ||||| |||||
19 CCAGCACCCTGGCTGACG 1

RESULT 32
US-10-105-004-109
; Sequence 109, Application US/10105004
; Publication No. US20030105002A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Murray, Jeffrey
; Semina, Elena
; TITLE OF INVENTION: RIEG COMPOSITIONS AND THERAPEUTIC
; AND DIAGNOSTIC USES THEREFOR
; NUMBER OF SEQUENCES: 139
; CORRESPONDENCE ADDRESS:
; ADDRESSER: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/105,004
; FILING DATE: 22-Mar-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/754,477
; FILING DATE: 22-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: UIA-022.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 109:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 109:
US-10-105-004-109

Query Match 10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1733 TGGCTCCCAACTCCTCCT 1751
Db | ||||| ||||| |||||
2 TGTCTCCCAATTCCTCACT 20

RESULT 33
US-10-007-078-60
; Sequence 60, Application US/10007078
; Publication No. US20030105042A1
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF EIF2C1 EXPRESSION
; FILE REFERENCE: RTS-0236
; CURRENT APPLICATION NUMBER: US/10/007,078
; CURRENT FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 60
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-007-078-60

Query Match 10.2%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```



```
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-303

Query Match
Best Local Similarity 9.9%; Score 13.8; DB 1; Length 17;
Matches 11; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1673 GGAACCTGGTCTCTCC 1689
Db 1 GGAACCUUGUGUCCU 17

RESULT 38
US-09-877-478-1613
; Sequence 1613, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1613
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-1613

Query Match
Best Local Similarity 9.9%; Score 13.8; DB 1; Length 17;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1738 CCCAACTCTCCCTATC 1754
Db 17 CCCAACTCTCCCACTC 1

RESULT 40
US-10-342-902-302
; Sequence 302, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBHB00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 302
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-302

Query Match
Best Local Similarity 9.9%; Score 13.8; DB 1; Length 17;
Matches 10; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1674 GAACCTGGTCTCTCTCC 1690
Db 1 GAACCUUGUGUCCU 17

RESULT 39
US-09-877-478-2360/c
; Sequence 2360, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
```

Matches 10; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1672 TGAACCCCTGGTCTC 1688
:|||||:|:|:
Db 1 UGAACCUUGUGUCUC 17

RESULT 41
US-10-342-902-303
; Sequence 303, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-1)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 303
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-303

Query Match 9.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.1e+02;
Matches 11; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1673 GGAACCCCTGGTCTC 1689
:|||||:|:|:
Db 1 GGAACCUUGUGUCUC 17

RESULT 42
US-10-342-902-1613
; Sequence 1613, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-1)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 303
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-303

QY 1674 GAACCCCTGGTCTCCT 1690
:|||||:|:|:
Db 1 GAACCUUGUGUCUCU 17

RESULT 43
US-10-342-902-2360/c
; Sequence 2360, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-1)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2360
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-2360

Query Match 9.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 1.1e+02;
Matches 10; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1738 CCCAACTCTCTCCATC 1754
:|||||:|:|:
Db 17 CCCAACTCTCTCCATC 1

RESULT 44
US-10-669-841-302
; Sequence 302, Application US/10669841
; Publication No. US20040127446A1

```
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; TITLE OF INVENTION: VIRUS REPLICATION
; FILE REFERENCE: 400/042US (MBH02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 302
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-302
```

```
Query Match          9.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 1.1e+02;
Matches 10; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1672 TGGAAACCTGGTGCTC 1688
      ||||| :|||:
Db 1 UGGAACCUUGUGUC 17
```

```
RESULT 45
US-10-669-841-303
; Sequence 303, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; TITLE OF INVENTION: VIRUS REPLICATION
; FILE REFERENCE: 400/042US (MBH02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
```

```
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 303
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-303
```

```
Query Match          9.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.1e+02;
Matches 11; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1673 GGAACCTGGTGCTCC 1689
      ||||| :|||:
Db 1 GGAACCUUGUGUC 17
```

```
RESULT 46
US-10-669-841-1613
; Sequence 1613, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; FILE REFERENCE: 400/042US (MBH02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
```

; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1613
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-1613

Query Match 9.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 1.1e+02;
Matches 10; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1674 GAACCTGGTCTCTCT 1690
Db 1 GAACUUUGUCUCCU 17

RESULT 47
US-10-669-841-2163/c
; Sequence 2163, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEP
; FILE REFERENCE: 400/0420S (MBH02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2163
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-2163

Query Match 9.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.1e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1738 CCCAACTCTCCCTATC 1754
Db 17 CCCAACTCTCCCACTC 1

RESULT 48
US-10-252-155-188/c
; Sequence 188, Application US/10252155
; Publication No. US20040068096A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS IN ORGANIC ANION TRANSPORT
; FILE REFERENCE: D0152 NP
; CURRENT APPLICATION NUMBER: US/10/252,155
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US 60/324,172
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/333,700
; PRIOR FILING DATE: 2001-11-27
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 188
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-252-155-188

Query Match 9.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1744 TCCTCCCTATCCTAAAG 1760
Db 18 TCCTCCCTATCAGAAAG 2

RESULT 49
US-10-239-652A-21/c
; Sequence 21, Application US/10239652A
; Publication No. US20040051234A1
; GENERAL INFORMATION:
; APPLICANT: Michael David Winther; Heidi Lynn Smith; Andre Ponton;
; APPLICANT: Roberto Justo De Antueno; Stephen John Allen
; TITLE OF INVENTION: Polynucleotides that Control Delta-6-Desaturase Genes
; TITLE OF INVENTION: and Methods for Identifying Compounds for Modulating
; TITLE OF INVENTION: Delta-6-Desaturase
; FILE REFERENCE: 42320-0010
; CURRENT APPLICATION NUMBER: US/10/239,652A
; CURRENT FILING DATE: 2003-07-28
; PRIOR APPLICATION NUMBER: PCT/CA01/00398
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: CA2,301,158
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:primer
US-10-239-652A-21

Query Match 9.9%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1685 TCTCTCCAGCGTGTG 1701
Db 19 TCTTCTCAGCGTAGTG 3

```
RESULT 50
US-09-912-680-4
; Sequence 4, Application US/09912680
; Publication No. US20010051611A1
; GENERAL INFORMATION:
; APPLICANT: Srivastava, Arun
; APPLICANT: Ponnazhagan, Selvarangan
; APPLICANT: Chloemer, Robert H.
; APPLICANT: Wang, Xu-Shan
; APPLICANT: Yoder, Mervin C.
; APPLICANT: Zhou, Shang-Zhen
; APPLICANT: Escobedo, Jaime
; APPLICANT: Varivani, Dwariki
; TITLE OF INVENTION: An AAV Vector Having Two Modified D-Sequences (As Amended)
; FILE REFERENCE: 1242.003
; CURRENT APPLICATION NUMBER: US/09/912,680
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US/08/921,497
; PRIOR FILING DATE: 1997-09-02
; PRIOR APPLICATION NUMBER: US 60/025,616
; PRIOR FILING DATE: 1996-09-06
; PRIOR APPLICATION NUMBER: US 60/025,649
; PRIOR FILING DATE: 1996-09-11
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: primer for human gamma-globin
US-09-912-680-4

Query Match          9.9%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1681 GGTGTCCTCTCCAGCGT 1697
||||| |||||||
Db 2 GGTTCCTCTCCAGCAT 18

RESULT 51
US-10-243-035-7
; Sequence 7, Application US/10243035
; Publication No. US20030049697A1
; GENERAL INFORMATION:
; APPLICANT: LAZDUNSKI, MICHEL
; APPLICANT: LESAGE, FLORIAN
; APPLICANT: MAINGRET, FRANCOIS
; TITLE OF INVENTION: NEW FAMILY OF MECHANORESENSITIVE HUMAN POTASSIUM CHANNELS
; FILE REFERENCE: 1317-02
; CURRENT APPLICATION NUMBER: US/10/243,035
; CURRENT FILING DATE: 2002-09-13
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-243-035-7

Query Match          9.9%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACAGCTGGA 1675
||||| |||||||
```

```
Db 1 CCAGGCTGCCAGCTGGA 17

RESULT 52
US-10-006-911-59/c
; Sequence 59, Application US/10006911
; Publication No. US20030125274A1
; GENERAL INFORMATION:
; APPLICANT: William Gaarde
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF COLLAPLIN RESPONSE MEDIATOR PROTEIN 2 EXP
; FILE REFERENCE: RTS-0200
; CURRENT APPLICATION NUMBER: US/10/006,911
; CURRENT FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 59
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-911-59

Query Match          9.9%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1649 AAGGCAAGCACCGGCT 1665
||||| |||||||
Db 17 AAGGCAGGAGCAGGCT 1

RESULT 53
US-10-109-799-4
; Sequence 4, Application US/10109799
; Publication No. US20030166284A1
; GENERAL INFORMATION:
; APPLICANT: Srivastava, Arun
; APPLICANT: Ponnazhagan, Selvarangan
; APPLICANT: Chloemer, Robert H.
; APPLICANT: Wang, Xu-Shan
; APPLICANT: Yoder, Mervin C.
; APPLICANT: Zhou, Shang-Zhen
; APPLICANT: Escobedo, Jaime
; APPLICANT: Varivani, Dwariki
; TITLE OF INVENTION: An AAV Vector Having Two Modified D-Sequences (As Amended)
; FILE REFERENCE: 1242.003
; CURRENT APPLICATION NUMBER: US/10/109,799
; CURRENT FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: US/08/921,497
; PRIOR FILING DATE: 1997-09-02
; PRIOR APPLICATION NUMBER: US 60/025,616
; PRIOR FILING DATE: 1996-09-06
; PRIOR APPLICATION NUMBER: US 60/025,649
; PRIOR FILING DATE: 1996-09-11
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: primer for human gamma-globin
US-10-109-799-4

Query Match          9.9%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1681 GGTGTCCTCTCCAGCGT 1697
||||| |||||||
Db 2 GGTTCCTCTCCAGCAT 18
```

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Query Match          9.9%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qv      1725 ATGGAGATTGGCTCCCA 1741
          ||||| | | |||||
Db       19  ATGGAGATAGGCTCCCA 3

RESULT 56
US-10-671-395-466/c
; Sequence 466, Application US/10671395
; Publication No. US20040132063M1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Gierse, James K

```

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RESULT 58
US-09-944-326-12/c
; Sequence 12, Application US/09944326
; Patent No. US20020128220A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Miyake, Hideaki
; APPLICANT: Nelson, Colleen
; TITLE OF INVENTION: TRPM-2 ANTIENSE THERAPY
; FILE REFERENCE: UBC.P-020-2
; CURRENT APPLICATION NUMBER: US/09/944,326
; CURRENT FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: 60/121,726

```

; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/913,325
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 21
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
US-09-944-326-12

Query Match 9.9%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 1.8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCTCTCC 1750
||| ||||| ||||| |||||
Db 20 GGCCCCCAACTCGGCC 4

RESULT 59
US-09-967-726A-12/c
; Sequence 12, Application US/09967726A
; Publication No. US20030158130A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Miyake, Hideaki
; APPLICANT: Nelson, Colleen
; APPLICANT: Zellweger, Tobias
; TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; FILE REFERENCE: UBC.P-022
; CURRENT APPLICATION NUMBER: US/09/967,726A
; CURRENT FILING DATE: 2001-09-28
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 21
; TYPE: DNA
; ORGANISM: human
US-09-967-726A-12

Query Match 9.9%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 1.8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCTCTCC 1750
||| ||||| ||||| |||||
Db 20 GGCCCCCAACTCGGCC 4

RESULT 60
US-10-080-794-12/c
; Sequence 12, Application US/10080794
; Publication No. US20030166591A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Miyake, Hideaki
; APPLICANT: Nelson, Colleen
; APPLICANT: Monia, Brett P.
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: HAVING 2'-O- (2-METHOXY)ETHYL MODIFICATIONS
; FILE REFERENCE: UBC.P-020-3
; CURRENT APPLICATION NUMBER: US/10/080,794
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/121,726
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/913,325
; PRIOR FILING DATE: 2001-08-10

; PRIOR APPLICATION NUMBER: 09/944,326
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 21
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-12

Query Match 9.9%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 1.8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCTCTCC 1750
||| ||||| ||||| |||||
Db 20 GGCCCCCAACTCGGCC 4

RESULT 61
US-10-646-391A-12/c
; Sequence 12, Application US/10646391A
; Publication No. US20040082534A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Jansen, Burkhard
; TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
; FILE REFERENCE: UBC.P-035
; CURRENT APPLICATION NUMBER: US/10/646,391A
; CURRENT FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: US 60/405,193
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/319,748
; PRIOR FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: US 60/408,152
; PRIOR FILING DATE: 2002-09-03
; PRIOR APPLICATION NUMBER: US 60/473,387
; PRIOR FILING DATE: 2003-05-20
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12
; LENGTH: 21
; TYPE: DNA
; ORGANISM: human
US-10-646-391A-12

Query Match 9.9%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 1.8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCTCTCC 1750
||| ||||| ||||| |||||
Db 20 GGCCCCCAACTCGGCC 4

RESULT 62
US-09-784-674-587/c
; Sequence 587, Application US/09784674
; Publication No. US20030054346A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Karen W.
; Wolber, Paul K.
; Delenstarr, Glenda C.
; Webb, Peter G.
; Kincaid, Robert H.
; TITLE OF INVENTION: Methods for evaluating oligonucleotide
; NUMBER OF SEQUENCES: 1165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
; Company M/S 2080

STREET: 3000 Hanover Street
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/784,674
FILING DATE: 15-FEB-2001
CLASSIFICATION: No. US20030054346A1 available
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/021,701
FILING DATE: 10-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Choi, Wendy A.
REGISTRATION NUMBER: 36,697
REFERENCE/DOCKET NUMBER: 10971464-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-236-2386
TELEFAX: 650-852-8063
INFORMATION FOR SEQ ID NO: 587:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 587:
US-09-784-674-587

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1701 GGAAGTGGGTAGGAGTAC 1720
|||||
Db 20 GGAAGTCAATTAGGAATAC 1

RESULT 63
US-10-268-948-19
; Sequence 19, Application US/10268948
; Publication No. US20030161844A1
; GENERAL INFORMATION:
; APPLICANT: Gencell S.A.
; APPLICANT: Soubrier, Fabienne
; TITLE OF INVENTION: Circular DNA Molecule with Conditional Origin of Replication, Met
; FILE REFERENCE: 8988.0132-01
; CURRENT APPLICATION NUMBER: US/10/268,948
; CURRENT FILING DATE: 2002-10-11
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/FR96/01414
; PRIOR FILING DATE: 1996-09-13
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Escherichia coli
US-10-268-948-19

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1696 GTGGTGAAGTTGGGTAGG 1715
|||||
Db 1 GTGGTGAAGTGGCATAGG 20

RESULT 64
US-10-148-355A-88
; Sequence 88, Application US/10148355A
; Publication No. US20030207831A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; APPLICANT: ISIS PHARMACEUTICALS, INC.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TELOMERIC REPEAT BINDING FACTOR 2
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: RTSP-0082
; CURRENT APPLICATION NUMBER: US/10/148,355A
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: 09/467,642
; PRIOR FILING DATE: 1999-12-17
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 88
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-148-355A-88

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1640 TTGTACGAGGCGAAGCAC 1659
|||||
Db 1 TTGCATCAGAAGGCCAGAAC 20

RESULT 65
US-10-349-143-10402/c
; Sequence 10402, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10402
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..20
; OTHER INFORMATION: downstream amplification primer 99-11658 for SEQ 2537, in complement
US-10-349-143-10402

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;


```
QY 1746 CTCCTATCTCTAAAGGCCCA 1765
Db 20 CTCCTATCTCTACTCCCA 1

RESULT 66
US-10-289-762-6657/c
; Sequence 6657, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/10/289,762
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6657
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-10-289-762-6657

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1633 ATGGGGCTGTAGCAGAGG 1652
Db 20 ATGGTGCTAGTATCAGCAG 1

RESULT 67
US-10-289-762-6714/c
; Sequence 6714, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/10/289,762
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6714
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-10-289-762-6714

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1720 CGGAGTCGAGATGGCTCC 1739
Db 20 CGGATAGGAGACTGGCTGC 1

RESULT 68
US-10-444-778-5
; Sequence 5, Application US/10444778
; Publication No. US20040106121A1
; GENERAL INFORMATION:
; APPLICANT: COMMISSARIAT A L'ENERGIE ATOMIQUE
; TITLE OF INVENTION: A STATIC MICRO-ARRAY OF BIOLOGICAL OR CHEMICAL PROBES FIXED ON A
; FILE REFERENCE: B46778B - AD/VMA/VG
; CURRENT APPLICATION NUMBER: US/10/444,778
; CURRENT FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: FR 0015398
```

```
; PRIOR FILING DATE: 2000-11-29
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 20
; TYPE: DNA
; ORGANISM: ARTIFICIAL SEQUENCE
; FEATURE:
; OTHER INFORMATION: PRIMER
US-10-444-778-5

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1679 CTGGTGTCCTCCACGCGTG 1698
Db 1 CTGGTGTCCTCACCACCATG 20

RESULT 69
US-10-316-515-33/c
; Sequence 33, Application US/10316515
; Publication No. US20040116365A1
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchers
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: MODULATION OF LCK EXPRESSION
; FILE REFERENCE: RTS-0344
; CURRENT APPLICATION NUMBER: US/10/316,515
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 76
; SEQ ID NO 33
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-316-515-33

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1646 CAGAAGCAGCAGCAGCCT 1665
Db 20 CAGAGGCGCAGTACCAGCCT 1

RESULT 70
US-10-316-515-63
; Sequence 63, Application US/10316515
; Publication No. US20040116365A1
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchers
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: MODULATION OF LCK EXPRESSION
; FILE REFERENCE: RTS-0344
; CURRENT APPLICATION NUMBER: US/10/316,515
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 76
; SEQ ID NO 63
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-316-515-63

Query Match 9.8%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1646 CAGAAGCAGCAGCAGCCT 1665
```

```

; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1745
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-1745

Query Match          9.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCGCAACTCTCTCCC 1750
Db 16 CCCCCCAACTCTCTCCC 2

RESULT 81
US-10-321-625-8
; Sequence 8, Application US/10321625
; Publication No. US20030211577A1
; GENERAL INFORMATION:
; APPLICANT: EISHINGDELO, HIFENG
; APPLICANT: JIDONG, CAI
; APPLICANT: AKADEMI, ALI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTOR, GAVET
; FILE REFERENCE: 2101976.991200
; CURRENT APPLICATION NUMBER: US/10/321,625
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: 60/341,271
; PRIOR FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-321-625-8

Query Match          9.6%; Score 13.4; DB 1; Length 18;
Best Local Similarity 93.3%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCTCTC 1748
Db 1 GGCTCCCAACTCTCTC 15

RESULT 82
US-09-843-377-20
; Sequence 20, Application US/09843377
; Publication No. US20030176371A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF INTERFERON GAMMA RECEPTOR 2 EXPRESSION
; FILE REFERENCE: RTS-0235
; CURRENT APPLICATION NUMBER: US/09/843,377
; CURRENT FILING DATE: 2001-04-26
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 20

```

```
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-843-377-20

Query Match
Best Local Similarity 9.6%; Score 13.4; DB 1; Length 20;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1731 ATTGGCTCCCAACTC 1745
Db 3 ACTGGCTCCCAACTC 17

RESULT 83
US-10-175-225-9/c
; Sequence 9, Application US/10175225
; Publication No. US20030082582A1
; GENERAL INFORMATION:
; APPLICANT: Richard A. Gatti
; TITLE OF INVENTION: METHODS FOR DETECTION OF ATAXIA
; FILE REFERENCE: TELANGIECTASIA MUTATIONS
; CURRENT APPLICATION NUMBER: US/10/175,225
; PRIOR FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: US 09/360,416
; PRIOR FILING DATE: 1999-07-23
; NUMBER OF SEQ ID NOS: 143
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Human
US-10-175-225-9

Query Match
Best Local Similarity 9.6%; Score 13.4; DB 1; Length 20;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1742 ACTCCTCCCTATCCT 1756
Db 15 ACTCCTCCCTCTCCT 1

RESULT 84
US-10-671-395-864/c
; Sequence 864, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Gierse, James K
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
; FILE REFERENCE: EXPRESSION
; CURRENT APPLICATION NUMBER: US/10/671,395
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,549
; PRIOR FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 1809
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 864
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-864

Query Match
Best Local Similarity 9.6%; Score 13.4; DB 1; Length 20;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1697 TGGTGAAGTTGGGT 1711
Db 16 TGGTGAAGCTGGGT 2

RESULT 85
US-09-972-115A-27
; Sequence 27, Application US/09972115A
; Publication No. US20030032769A1
; GENERAL INFORMATION:
; APPLICANT: Geron Corporation
; APPLICANT: Gregg, Morin B.
; APPLICANT: Walter, Funk D.
; APPLICANT: Mieczyslaw, Piatyszek A.
; TITLE OF INVENTION: A Second Mammalian Telomerase
; FILE REFERENCE: 080/003C
; CURRENT APPLICATION NUMBER: US/09/972,115A
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 60/128,577
; PRIOR FILING DATE: 2000-04-10
; PRIOR APPLICATION NUMBER: US 60/129,123
; PRIOR FILING DATE: 1999-04-13
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-972-115A-27

Query Match
Best Local Similarity 9.5%; Score 13.2; DB 1; Length 19;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1715 GAGTACGAGATGGAGAT 1732
Db 1 GAGCACAGATGGAGGT 18

RESULT 86
US-09-745-605-16
; Sequence 16, Application US/09745605
; Patent No. US20020123617A1
; GENERAL INFORMATION:
; APPLICANT: Starling, Gary C.
; APPLICANT: Finger, Joshua N.
; TITLE OF INVENTION: NOVEL IMMUNOGLOBIN SUPERFAMILY MEMBERS APEX-1, APEX-2,
; FILE REFERENCE: DB13NP
; CURRENT APPLICATION NUMBER: US/09/745,605
; CURRENT FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/172,025
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: UNF14 PRIMER
US-09-745-605-16

Query Match
Best Local Similarity 9.5%; Score 13.2; DB 1; Length 20;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTGGAAACC 1679
Db 2 GGCTCACACTGTATATCC 19
```

RESULT 89		US-10-006-191-68		US-10-006-191-68		
		; Sequence 68, Application US/10006191		; Sequence 68, Application US/10006191		
		; Publication No. US2003014223A1		; Publication No. US2003014223A1		
		; GENERAL INFORMATION:		; GENERAL INFORMATION:		
		; APPLICANT: William Gaarde		; APPLICANT: William Gaarde		
		; APPLICANT: Andrew T. Watt		; APPLICANT: Andrew T. Watt		
		; TITLE OF INVENTION: ANTISENSE MODULATION OF CONNECTIVE TISSUE GROWTH FACTOR EXPRESSION		; TITLE OF INVENTION: ANTISENSE MODULATION OF CONNECTIVE TISSUE GROWTH FACTOR EXPRESSION		
		; FILE REFERENCE: RTS-0274		; FILE REFERENCE: RTS-0274		
		; CURRENT APPLICATION NUMBER: US/10/006,191		; CURRENT APPLICATION NUMBER: US/10/006,191		
		; CURRENT FILING DATE: 2001-12-10		; CURRENT FILING DATE: 2001-12-10		
		; NUMBER OF SEQ ID NOS: 153		; NUMBER OF SEQ ID NOS: 153		
		; SEQ ID NO 68		; SEQ ID NO 68		
		; LENGTH: 20		; LENGTH: 20		
		; TYPE: DNA		; TYPE: DNA		
		; ORGANISM: Artificial Sequence		; ORGANISM: Artificial Sequence		
		; FEATURE:		; FEATURE:		
		; OTHER INFORMATION: Antisense Oligonucleotide		; OTHER INFORMATION: Antisense Oligonucleotide		
		US-10-006-191-68		US-10-006-191-68		
Query Match		9.5%; Score 13.2; DB 1; Length 20;		9.5%; Score 13.2; DB 1; Length 20;		
Best Local Similarity		83.3%; Pred. No. 2.1e+02;		83.3%; Pred. No. 2.1e+02;		
Matches	15;	Conservative 0; Mismatches 3; Indels 0; Gaps 0;		Conservative 0; Mismatches 3; Indels 0; Gaps 0;		
QY	1651	GGCAGCAGCAGGCTCAC 1668		GGCAGCAGCAGGCTCAC 1668		
Db	3	GTCCAGCAGAGGCTCAC 20		GTCCAGCAGAGGCTCAC 20		
RESULT 90		US-10-045-674-468		US-10-045-674-468		
		; Sequence 468, Application US/10045674		; Sequence 468, Application US/10045674		
		; Publication No. US2003023333A1		; Publication No. US2003023333A1		
		; GENERAL INFORMATION:		; GENERAL INFORMATION:		
		; APPLICANT: LADNER, ROBERT C.		; APPLICANT: LADNER, ROBERT C.		
		; APPLICANT: COHEN, EDWARD H.		; APPLICANT: COHEN, EDWARD H.		
		; APPLICANT: NASTRI, HORACIO G.		; APPLICANT: NASTRI, HORACIO G.		
		; APPLICANT: ROOKEY, KRISTIN L.		; APPLICANT: ROOKEY, KRISTIN L.		
		; APPLICANT: HOET, RENE		; APPLICANT: HOET, RENE		
		; APPLICANT: HOOGENBOOM, HENDRICUS R. J. M.		; APPLICANT: HOOGENBOOM, HENDRICUS R. J. M.		
		; TITLE OF INVENTION: NOVEL METHODS OF CONSTRUCTING LIBRARIES COMPRISING		; TITLE OF INVENTION: NOVEL METHODS OF CONSTRUCTING LIBRARIES COMPRISING		
		; TITLE OF INVENTION: DISPLAYED AND/OR EXPRESSED MEMBERS OF A DIVERSE FAMILY		; TITLE OF INVENTION: DISPLAYED AND/OR EXPRESSED MEMBERS OF A DIVERSE FAMILY		
		; TITLE OF INVENTION: OF PEPTIDES, POLYPEPTIDES OR PROTEINS AND THE NOVEL		; TITLE OF INVENTION: OF PEPTIDES, POLYPEPTIDES OR PROTEINS AND THE NOVEL		
		; TITLE OF INVENTION: LIBRARIES		; TITLE OF INVENTION: LIBRARIES		
		; FILE REFERENCE: DYAX/002 CIP2		; FILE REFERENCE: DYAX/002 CIP2		
		; CURRENT APPLICATION NUMBER: US/10/045,674		; CURRENT APPLICATION NUMBER: US/10/045,674		
		; CURRENT FILING DATE: 2001-10-25		; CURRENT FILING DATE: 2001-10-25		
		; PRIOR APPLICATION NUMBER: 60/198,069		; PRIOR APPLICATION NUMBER: 60/198,069		
		; PRIOR FILING DATE: 2000-04-17		; PRIOR FILING DATE: 2000-04-17		
		; PRIOR APPLICATION NUMBER: 09/837,306		; PRIOR APPLICATION NUMBER: 09/837,306		
		; PRIOR FILING DATE: 2001-04-17		; PRIOR FILING DATE: 2001-04-17		
		; NUMBER OF SEQ ID NOS: 635		; NUMBER OF SEQ ID NOS: 635		
		; SOFTWARE: PatentIn Ver. 2.1		; SOFTWARE: PatentIn Ver. 2.1		
		; SEQ ID NO 468		; SEQ ID NO 468		
		; LENGTH: 20		; LENGTH: 20		
		; TYPE: DNA		; TYPE: DNA		
		; ORGANISM: Artificial Sequence		; ORGANISM: Artificial Sequence		
		; FEATURE:		; FEATURE:		
		; OTHER INFORMATION: Description of Artificial Sequence: Synthetic		; OTHER INFORMATION: Description of Artificial Sequence: Synthetic		
		; OTHER INFORMATION: oligonucleotide		; OTHER INFORMATION: oligonucleotide		
		US-10-045-674-468		US-10-045-674-468		
Query Match		9.5%; Score 13.2; DB 1; Length 20;		9.5%; Score 13.2; DB 1; Length 20;		
Best Local Similarity		83.3%; Pred. No. 2.1e+02;		83.3%; Pred. No. 2.1e+02;		
Matches	15;	Conservative 0; Mismatches 3; Indels 0; Gaps 0;		Conservative 0; Mismatches 3; Indels 0; Gaps 0;		
QY	1721	GGAGATGGAGATTGGCTC 1738		GGAGATGGAGATTGGCTC 1738		
Db	3	GAAGATGGAGACTGGGTC 20		GAAGATGGAGACTGGGTC 20		
RESULT 91		US-10-289-762-6149		US-10-289-762-6149		

RESULT 87		US-09-969-373-1709/c		US-09-969-373-1709/c		
		; Sequence 1709, Application US/09969373		; Sequence 1709, Application US/09969373		
		; Patent No. US20020133852A1		; Patent No. US20020133852A1		
		; GENERAL INFORMATION:		; GENERAL INFORMATION:		
		; APPLICANT: Effeertz, Roger J.		; APPLICANT: Effeertz, Roger J.		
		; APPLICANT: Hauge, Brian M.		; APPLICANT: Hauge, Brian M.		
		; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping		; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping		
		; FILE REFERENCE: 38-10(52679)A		; FILE REFERENCE: 38-10(52679)A		
		; CURRENT APPLICATION NUMBER: US/09/969,373		; CURRENT APPLICATION NUMBER: US/09/969,373		
		; CURRENT FILING DATE: 2001-10-02		; CURRENT FILING DATE: 2001-10-02		
		; PRIOR APPLICATION NUMBER: US 09/754,853		; PRIOR APPLICATION NUMBER: US 09/754,853		
		; PRIOR FILING DATE: 2001-01-05		; PRIOR FILING DATE: 2001-01-05		
		; PRIOR APPLICATION NUMBER: US 09/760,427		; PRIOR APPLICATION NUMBER: US 09/760,427		
		; PRIOR FILING DATE: 2001-01-13		; PRIOR FILING DATE: 2001-01-13		
		; PRIOR APPLICATION NUMBER: US 09/855,768		; PRIOR APPLICATION NUMBER: US 09/855,768		
		; PRIOR FILING DATE: 2001-05-15		; PRIOR FILING DATE: 2001-05-15		
		; NUMBER OF SEQ ID NOS: 4593		; NUMBER OF SEQ ID NOS: 4593		
		; SEQ ID NO 1709		; SEQ ID NO 1709		
		; LENGTH: 20		; LENGTH: 20		
		; TYPE: DNA		; TYPE: DNA		
		; ORGANISM: Glycine max		; ORGANISM: Glycine max		
		US-09-969-373-1709		US-09-969-373-1709		
Query Match		9.5%; Score 13.2; DB 1; Length 20;		9.5%; Score 13.2; DB 1; Length 20;		
Best Local Similarity		83.3%; Pred. No. 2.1e+02;		83.3%; Pred. No. 2.1e+02;		
Matches	15;	Conservative 0; Mismatches 3; Indels 0; Gaps 0;		Conservative 0; Mismatches 3; Indels 0; Gaps 0;		
QY	1717	GTACGGAGATGGAGATTG 1734		GTACGGAGATGGAGATTG 1734		
Db	20	GGATGGAGATTGAGATTG 3		GGATGGAGATTGAGATTG 3		
RESULT 88		US-09-837-306-338		US-09-837-306-338		
		; Sequence 338, Application US/09837306		; Sequence 338, Application US/09837306		
		; Publication No. US20040029113A1		; Publication No. US20040029113A1		
		; GENERAL INFORMATION:		; GENERAL INFORMATION:		
		; APPLICANT: LADNER, ROBERT C.		; APPLICANT: LADNER, ROBERT C.		
		; APPLICANT: COHEN, EDWARD H.		; APPLICANT: COHEN, EDWARD H.		
		; APPLICANT: NASTRI, HORACIO G.		; APPLICANT: NASTRI, HORACIO G.		
		; APPLICANT: ROOKEY, KRISTIN L.		; APPLICANT: ROOKEY, KRISTIN L.		
		; APPLICANT: HOET, RENE		; APPLICANT: HOET, RENE		
		; TITLE OF INVENTION: NOVEL METHODS OF CONSTRUCTING LIBRARIES OF GENETIC		; TITLE OF INVENTION: NOVEL METHODS OF CONSTRUCTING LIBRARIES OF GENETIC		
		; TITLE OF INVENTION: PACKAGES THAT COLLECTIVELY DISPLAY THE MEMBERS OF A		; TITLE OF INVENTION: PACKAGES THAT COLLECTIVELY DISPLAY THE MEMBERS OF A		
		; TITLE OF INVENTION: DIVERSE FAMILY OF PEPTIDES, POLYPEPTIDES OR PROTEINS		; TITLE OF INVENTION: DIVERSE FAMILY OF PEPTIDES, POLYPEPTIDES OR PROTEINS		
		; TITLE OF INVENTION: LIBRARIES		; TITLE OF INVENTION: LIBRARIES		
		; FILE REFERENCE: DYAX/002		; FILE REFERENCE: DYAX/002		
		; CURRENT APPLICATION NUMBER: US/09/837,306		; CURRENT APPLICATION NUMBER: US/09/837,306		
		; CURRENT FILING DATE: 2001-09-24		; CURRENT FILING DATE: 2001-09-24		
		; PRIOR APPLICATION NUMBER: 60/198,069		; PRIOR APPLICATION NUMBER: 60/198,069		
		; PRIOR FILING DATE: 2000-04-17		; PRIOR FILING DATE: 2000-04-17		
		; NUMBER OF SEQ ID NOS: 428		; NUMBER OF SEQ ID NOS: 428		
		; SOFTWARE: PatentIn Ver. 2.1		; SOFTWARE: PatentIn Ver. 2.1		
		; SEQ ID NO 338		; SEQ ID NO 338		
		; LENGTH: 20		; LENGTH: 20		
		; TYPE: DNA		; TYPE: DNA		
		; ORGANISM: Artificial Sequence		; ORGANISM: Artificial Sequence		
		; FEATURE:		; FEATURE:		
		; OTHER INFORMATION: Description of Artificial Sequence: Synthetic		; OTHER INFORMATION: Description of Artificial Sequence: Synthetic		
		; OTHER INFORMATION: oligonucleotide		; OTHER INFORMATION: oligonucleotide		
		US-09-837-306-338		US-09-837-306-338		
Query Match		9.5%; Score 13.2; DB 1; Length 20;		9.5%; Score 13.2; DB 1; Length 20;		
Best Local Similarity		83.3%; Pred. No. 2.1e+02;		83.3%; Pred. No. 2.1e+02;		
Matches		15;	Conservative 0; Mismatches 3; Indels 0; Gaps 0;		Conservative 0; Mismatches 3; Indels 0; Gaps 0;	
QY		1721	GGAGATGGAGATTGGCTC 1738		GGAGATGGAGATTGGCTC 1738	
Db	3	GAAGATGGAGACTGGGTC 20		GAAGATGGAGACTGGGTC 20		
RESULT 89		US-10-006-191-68		US-10-006-191-68		

```
; Sequence 6149, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
; APPLICANT: Grifffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/10/289,762
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6149
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-10-289-762-6149

Query Match          9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1744 TCCTCCCTATCTCTAAGG 1761
Db 3 TCGTCTCTACCCCTAAAGG 20

RESULT 92
US-10-211-859-43
; Sequence 43, Application US/10211859
; Publication No. US20040022765A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF RAN GTPASE ACTIVATING PROTEIN 1 EXPRESSION
; FILE REFERENCE: HTS-0013
; CURRENT APPLICATION NUMBER: US/10/211,859
; CURRENT FILING DATE: 2002-07-31
; NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 43
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-211-859-43

Query Match          9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1682 GTGCTCTCTCCAGCGTGG 1699
Db 2 GTGCTCTGCCAGCTTGG 19

RESULT 93
US-10-211-859-74/c
; Sequence 74, Application US/10211859
; Publication No. US20040022765A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF RAN GTPASE ACTIVATING PROTEIN 1 EXPRESSION
; FILE REFERENCE: HTS-0013
; CURRENT APPLICATION NUMBER: US/10/211,859
; CURRENT FILING DATE: 2002-07-31
; NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 74
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-211-859-74
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Query Match          9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1682 GTGCTCTCTCCAGCGTGG 1699
Db 19 GTGCTCTCTGCCAGCTTGG 2

RESULT 94
US-10-247-843-12
; Sequence 12, Application US/10247843
; Publication No. US20040076606A1
; GENERAL INFORMATION:
; APPLICANT: Chang, et al.
; TITLE OF INVENTION: METHODS OF MODULATING INFLAMMATION BY ADMINISTRATION OF
; FILE REFERENCE: 30515/38768
; CURRENT APPLICATION NUMBER: US/10/247,843
; CURRENT FILING DATE: 2002-09-14
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Primer
US-10-247-843-12

Query Match          9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1707 TGGGTAGGAGTACGAG 1724
Db 2 TGGGTAGGAGCACGTAG 19

RESULT 95
US-10-304-116-26/c
; Sequence 26, Application US/10304116
; Publication No. US20040101857A1
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF CYTOKINE-INDUCIBLE KINASE EXPRESSION
; FILE REFERENCE: RTS-0397
; CURRENT APPLICATION NUMBER: US/10/304,116
; CURRENT FILING DATE: 2002-11-23
; NUMBER OF SEQ ID NOS: 138
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-304-116-26

Query Match          9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACAGCTGGAA 1676
Db 20 CCTGGCCACATCTGGAA 3

RESULT 96
US-10-317-277A-20/c
; Sequence 20, Application US/10317277A
; Publication No. US20040110159A1
```

```

; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: human mitoNEET antisense
US-10-728-399-72

```

RESULT 101
US-10-728-399-261
; Sequence 261, Application US/10728399
: Publication No. US20040132078A1

; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; TITLE OF INVENTION: ANTISENSE MODULATION OF MITOCHONDRIAL EXPRESSION
; FILE REFERENCE: 01455.1
; CURRENT APPLICATION NUMBER: US/10/728,399
; CURRENT FILING DATE: 2003-12-05
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 261
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: human mitochondria antisense
US-10-728-399-261

Query Match 9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1732 TTGGCTCCCACTCCCTCC 1749
||| ||||| |||||
DB 2 TTATCTCCCAATCTCTCC 19

RESULT 102
US-10-695-089-76
; Sequence 76, Application US/10695089
; Publication No. US20040142353A1
; GENERAL INFORMATION:
; APPLICANT: CHEUNG, WING Y.
; APPLICANT: GAGNON, MARIE-JOSEE
; APPLICANT: LAFOREST, MARTIN
; APPLICANT: LANDRY, BENOIT S.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING PLANTS HAVING
; FILE REFERENCE: 15039-2
; CURRENT APPLICATION NUMBER: US/10/695,089
; CURRENT FILING DATE: 2003-10-28
; PRIOR APPLICATION NUMBER: 60/421,993
; PRIOR FILING DATE: 2002-10-29
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 76
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-695-089-76

Query Match 9.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGAACCTG 1681
||| ||||| |||||
DB 1 CTCGAGCTGGAATCCG 18

RESULT 103
US-09-877-478-2361/c
; Sequence 2361, Application US/09877478
; Publication No. US2003006301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication

; FILE REFERENCE: MHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2361
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2361

Query Match 9.4%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1738 CCCAACTCTCTCC 1750
||| ||||| |||||
DB 16 CCCAACTCTCTCC 4

RESULT 104
US-10-342-902-2361/c
; Sequence 2361, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MHB00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2361
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-2361

Query Match 9.4%; Score 13; DB 1; Length 17;

```

; FILE REFERENCE: ISPH-0756
; CURRENT APPLICATION NUMBER: US/10/633,843
; CURRENT FILING DATE: 2003-08-04
; PRIOR APPLICATION NUMBER: US 09/888,360
; PRIOR FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 78
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-633-843-78

Query Match          5.4%; Score 13; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1644 AGCAGAAGCAAG 1656
        |||||
Db       18 AGCAGAAGCAAG 6

RESULT 107
US-10-174-465-6
; Sequence 6, Application US/10174465
; Publication No. US20030232772A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF EXTRACELLULAR-SIGNAL-REGULATED KINASE-6
; FILE REFERENCE: PTS-0055
; CURRENT APPLICATION NUMBER: US/10/174,465
; CURRENT FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 70
; SEQ ID NO 6
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-174-465-6

Query Match          9.2%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred.No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1672 TGGAACCTGGTGCT 1687
        |||||
Db       1 TGGAACCCGGCGTCT 16

RESULT 108
US-10-348-431-6
; Sequence 6, Application US/10348431
; Publication No. US20030232778A1
; GENERAL INFORMATION:
; APPLICANT: Eric G. Marcussen
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: EXTRACELLULAR-SIGNAL-REGULATED KINASE-6 INHIBITORS FOR
; FILE REFERENCE: ISPH-0728
; CURRENT APPLICATION NUMBER: US/10/348,431
; CURRENT FILING DATE: 2003-01-17
; NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 6
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-348-431-6

```

```
Query Match          9.2%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1672 TGGACCTGGTGCT 1687
DB 1 TGGACCTGGTGCT 16

RESULT 109
US-09-877-478-994
; Sequence 994, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 994
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-994

Query Match          9.2%; Score 12.8; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 1.7e+02;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1676 ACCCTGGTGCTCCTC 1691
DB 1 ACCUUGUGUCUCCUC 16

RESULT 111
US-09-848-754A-2544
; Sequence 2544, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2544
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2544

Query Match          9.2%; Score 12.8; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1754 CCTAAGCCCTGGTGG 1769
DB 2 CCAAAAGCCCGCUGG 17

RESULT 112
US-10-342-902-994
; Sequence 994, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
```

```
Query Match          9.2%; Score 12.8; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 1.7e+02;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1676 ACCCTGGTGCTCCTC 1691
DB 1 ACCUUGUGUCUCCUC 16

RESULT 111
US-09-848-754A-2544
; Sequence 2544, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2544
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2544

Query Match          9.2%; Score 12.8; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.7e+02;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1754 CCTAAGCCCTGGTGG 1769
DB 2 CCAAAAGCCCGCUGG 17

RESULT 112
US-10-342-902-994
; Sequence 994, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
```

Db 1 ACCUUUGUGUCCUC 16

RESULT 114

US-10-297-068-1050/c

; Sequence 1050, Application US/10297068

; Publication No. US20030228585A1

; GENERAL INFORMATION:

; APPLICANT: INOKO, Hidetoshi

; APPLICANT: KAGIYA, Taeko

; APPLICANT: ICHIHARA, Tatsuo

; APPLICANT: Matsumura, Ycshiyuki

; APPLICANT: MORIYA, Shogo

; APPLICANT: NISHIDA, Michio

; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES

; FILE REFERENCE: 1314OP1174

; CURRENT APPLICATION NUMBER: US/10/297,068

; CURRENT FILING DATE: 2002-11-27

; PRIOR APPLICATION NUMBER: JP 2000-164798

; PRIOR FILING DATE: 2000-06-01

; NUMBER OF SEQ ID NOS: 1298

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1050

; LENGTH: 17

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:capture

US-10-297-068-1050

Query Match 9.2%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 1.7e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1734 GGCTCCCACTCTCC 1749

Db 16 GGCTCTCACTGTCC 1

RESULT 115

US-10-138-674-3692/c

; Sequence 3692, Application US/10138674

; Publication No. US20040077565A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Pavco, Pam

; APPLICANT: McSwiggen, Jim

; APPLICANT: Stinchcomb, Dan

; APPLICANT: Escobedo, Jaime

; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

; FILE REFERENCE: MBH00-876-N (400/049)

; CURRENT APPLICATION NUMBER: US/10/138,674

; CURRENT FILING DATE: 2002-05-03

; NUMBER OF SEQ ID NOS: 20822

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 3692

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Mus musculus

US-10-138-674-3692

Query Match 9.2%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 1.7e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1646 CAGAGGCAAGCA 1661

Db 17 CAGAGCAAGCA 2

RESULT 116

US-10-287-949A-3692/c

Db 1 ACCUUUGUGUCCUC 16

RESULT 114

US-10-297-068-1050/c

; Sequence 1050, Application US/10297068

; Publication No. US20030228585A1

; GENERAL INFORMATION:

; APPLICANT: INOKO, Hidetoshi

; APPLICANT: KAGIYA, Taeko

; APPLICANT: ICHIHARA, Tatsuo

; APPLICANT: Matsumura, Ycshiyuki

; APPLICANT: MORIYA, Shogo

; APPLICANT: NISHIDA, Michio

; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES

; FILE REFERENCE: 1314OP1174

; CURRENT APPLICATION NUMBER: US/10/297,068

; CURRENT FILING DATE: 2002-11-27

; PRIOR APPLICATION NUMBER: JP 2000-164798

; PRIOR FILING DATE: 2000-06-01

; NUMBER OF SEQ ID NOS: 1298

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1050

; LENGTH: 17

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:capture

US-10-297-068-1050

Query Match 9.2%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 1.7e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1734 GGCTCCCACTCTCC 1749

Db 16 GGCTCTCACTGTCC 1

RESULT 115

US-10-138-674-3692/c

; Sequence 3692, Application US/10138674

; Publication No. US20040077565A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Pavco, Pam

; APPLICANT: McSwiggen, Jim

; APPLICANT: Stinchcomb, Dan

; APPLICANT: Escobedo, Jaime

; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

; FILE REFERENCE: MBH00-876-N (400/049)

; CURRENT APPLICATION NUMBER: US/10/138,674

; CURRENT FILING DATE: 2002-05-03

; NUMBER OF SEQ ID NOS: 20822

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 3692

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Mus musculus

US-10-138-674-3692

Query Match 9.2%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 1.7e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1646 CAGAGGCAAGCA 1661

Db 17 CAGAGCAAGCA 2

RESULT 116

US-10-287-949A-3692/c

```
; Sequence 3692, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MEH800-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3692
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-287-949A-3692
```

```
Query Match          9.2%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1646 CAGAAGGCAAGCACCA 1661
      ||||| ||||| |||
Db 17 CAGAAGCCAAGGCCA 2
```

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RESULT 117
US-10-712-672-475/c
; Sequence 475, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBH800-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 475
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-475
```

```
Query Match          9.2%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1644 AGCAGAAGGCAAGCAC 1659
      ||| ||||| |||||
Db 16 AGCGGAAGGCCAGCAC 1
```

```
RESULT 118
US-10-669-841-994
; Sequence 994, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
```

```
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; FILE REFERENCE: 400/042US (MBH802-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 994
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-994
```

```
Query Match          9.2%; Score 12.8; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 1.7e+02;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1672 TGAACCCCTGGTGCT 1687
      :|||:::|:|:|:|
Db 2 UGGAACCUUGUGUCU 17
```

```
RESULT 119
US-10-669-841-1614
; Sequence 1614, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; FILE REFERENCE: 400/042US (MBH802-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
```

```

; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1614
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
; US-10-669-841-1614

Query Match          9.2%; Score 12.8; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 1.7e+02;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1676 ACCGTGTCCTCCTC 1691
DB 1 ACCUUGUGUCUCCUC 16

RESULT 120
US-10-224-005-20/c
; Sequence 20, Application US/10224005
; Publication No. US20030143732A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (AD
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (AD
; FILE REFERENCE: 900/041 (MBHB01-1110-A)
; CURRENT APPLICATION NUMBER: US/10/224,005
; CURRENT FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 347
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense r
US-10-224-005-20

Query Match          9.2%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1650 AGGCAAGCACCAGGCT 1665
DB 19 AGGCAAGCACCATCTCT 4

RESULT 121
US-10-224-005-181
; Sequence 181, Application US/10224005
; Publication No. US20030143732A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Fossnaugh, Kathy
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (AD
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (AD
; FILE REFERENCE: 900/041 (MBHB01-1110-A)
; CURRENT APPLICATION NUMBER: US/10/224,005
; CURRENT FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 347
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 181
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-224-005-181

Query Match          9.2%; Score 12.8; DB 1; Length 19;
Best Local Similarity 81.2%; Pred. No. 2.1e+02;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1650 AGGCAAGCACCAGGCT 1665
DB 1 AGGCAAGCACCACUCCU 16

RESULT 122
US-10-251-117-746
; Sequence 746, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor Re
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor Re
; FILE REFERENCE: 900/042 (MBHB02-468-A)
; CURRENT APPLICATION NUMBER: US/10/251,117
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/163,552
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 09/916,466
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: US 60/296,249
; PRIOR FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 1213
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 746
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense r
US-10-251-117-746

Query Match          9.2%; Score 12.8; DB 1; Length 19;
Best Local Similarity 81.2%; Pred. No. 2.1e+02;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1754 CCTAAGGCCCACTCG 1769
DB 3 CCAAAAGGCCCGUGG 18

RESULT 123
US-10-251-117-1053/c
; Sequence 1053, Application US/10251117

```

```
; Publication No. US20030170891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
; FILE REFERENCE: 900/042 (MBH02-468-A)
; CURRENT APPLICATION NUMBER: US/10/251,117
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/163,552
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 09/916,466
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: US 60/296,249
; PRIOR FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 1213
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1053
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-251-117-1053

Query Match          9.2%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1754 CCTAAGGCCCACTGG 1769
Db 17 CCAAGGCCCGCTGG 2

RESULT 124
US-08-983-605-55
; Sequence 55, Application US/08983605A
; Publication No. US20020066118A1
; GENERAL INFORMATION:
; APPLICANT: Roder, Marion
; TITLE OF INVENTION: Microsatellite Markers for Plants of the Species
; TITLE OF INVENTION: Triticum aestivum and Tribe Triticeae and the Use of
; TITLE OF INVENTION: Said Markers
; FILE REFERENCE: 2936.10400
; CURRENT APPLICATION NUMBER: US/08/983,605A
; CURRENT FILING DATE: 1998-05-01
; EARLIER APPLICATION NUMBER: DE 195 25 284.5
; EARLIER FILING DATE: 1995-06-28
; NUMBER OF SEQ ID NOS: 466
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Triticum aestivum
US-08-983-605-55

Query Match          9.1%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 2.3e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1709 GGTAGGAGTACGAGATG 1727
Db 1 GGGTGGGAGAAAGGAGATG 19

RESULT 125
US-10-251-117-717
; Sequence 717, Application US/10251117
; Publication No. US20030170891A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
; FILE REFERENCE: 900/042 (MBH02-468-A)
; CURRENT APPLICATION NUMBER: US/10/251,117
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/163,552
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 09/916,466
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: US 60/296,249
; PRIOR FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 1213
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 717
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense re
US-10-251-117-717

Query Match          9.1%; Score 12.6; DB 1; Length 19;
Best Local Similarity 63.2%; Pred. No. 2.3e+02;
Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCGTGTGGAA 1704
Db 1 CUCCUCCAUCUGGAGAAA 19

RESULT 126
US-10-251-117-1024/c
; Sequence 1024, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
; FILE REFERENCE: 900/042 (MBH02-468-A)
; CURRENT APPLICATION NUMBER: US/10/251,117
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/163,552
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 09/916,466
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: US 60/296,249
; PRIOR FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 1213
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1024
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-251-117-1024

Query Match          9.1%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 2.3e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

QY 1686 CTCCTCCAGCGGTGGAA 1704
||||| | | | |
Db 19 CTCCTCCATCCTGGAGAA 1

RESULT 127
US-10-143-8278/c
; Sequence 8278, Application US/10349143
; Publication No. US2004000584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8278
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..19
; OTHER INFORMATION: downstream amplification primer 99-14699 for SEQ 413, in compleme

US-10-349-143-8278
Query Match 9.1%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 2.3e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1694 GCGTGGTGAAGTTGGGT 1712
||||| | | | |
Db 19 GAGTTGGATGTGGGT 1

RESULT 128
US-10-308-264-637
; Sequence 637, Application US/10308264
; Publication No. US20040029133A1
; GENERAL INFORMATION:
; APPLICANT: Herrnstadt, Corinna
; TITLE OF INVENTION: MITOCHONDRIAL DNA POLYMORPHISM
; FILE REFERENCE: 660088.461
; CURRENT APPLICATION NUMBER: US/10/308,264
; CURRENT FILING DATE: 2002-11-25
; NUMBER OF SEQ ID NOS: 697
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 637
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-308-264-637

Query Match 8.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1709 GGTAGGAGTACGG 1722
||||| | | | |
Db 3 GGTAGGAGTACGG 16

RESULT 129
US-10-138-674-5908/c
; Sequence 5908, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5908
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5908

Query Match 8.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1663 GCTCACAGCTGGAA 1676
||||| | | | |
Db 16 GCCCACAGCTGGAA 3

RESULT 130
US-10-287-949A-5908/c
; Sequence 5908, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20322
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5908
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5908

Query Match 8.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1663 GCTCACAGCTGGAA 1676
||||| | | | |
Db 16 GCCCACAGCTGGAA 3

RESULT 131
US-09-818-875-3470/c
; Sequence 3470, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kniec, Eric E.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
US-09-818-875-3470/c

Query Match 8.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1663 GCTCACAGCTGGAA 1676
||||| | | | |
Db 16 GCCCACAGCTGGAA 3


```
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Stranded Oligonucleotides
; CURRENT APPLICATION NUMBER: US/09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3470
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-3470

Query Match
Best Local Similarity 8.9%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCGTGG 1699
Db 14 CTCCTCCAGCTTGG 1

RESULT 132
US-09-818-875-3471
; Sequence 3471, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gampier, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Stranded Oligonucleotides
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3471
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-3471

Query Match
Best Local Similarity 8.9%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCGTGG 1699
Db 4 CTCCTCCAGCTTGG 17

RESULT 133
US-09-877-478-386/c
; Sequence 386, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 386
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-386

Query Match
Best Local Similarity 8.9%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCTCCAGCTTGG 1749
Db 14 CTCCTCCAGCTTGG 1

RESULT 134
US-09-827-395A-479/c
; Sequence 479, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
; FILE REFERENCE: MHB00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 479
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-827-395A-479

Query Match
Best Local Similarity 8.9%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1675 AACCTGGTGTCTC 1688
Db 17 AACCTGGTGTCTC 1688
```

Db 17 AACCTGTGTGCTC 4

Query Match 8.9%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

RESULT 135
 US-09-827-395A-990/c
 ; Sequence 990, Application US/09827395A
 ; Publication No. US20030113891A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Lawrence Blatt
 ; APPLICANT: James McSwiggen
 ; APPLICANT: Bharat Chowrira
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
 ; FILE REFERENCE: MBH00-878-C (400/017)
 ; CURRENT APPLICATION NUMBER: US/09/827,395A
 ; CURRENT FILING DATE: 2001-04-05
 ; PRIOR APPLICATION NUMBER: 09/780,533
 ; PRIOR FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: 60/181,797
 ; PRIOR FILING DATE: 2000-02-11
 ; NUMBER OF SEQ ID NOS: 2617
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 990
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-09-827-395A-990

Query Match 8.9%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1673 GGAACCTGTGTGTC 1686
 Db 14 GGAACCTGTGTGTC 1

RESULT 136
 US-10-342-902-386/c
 ; Sequence 386, Application US/10342902
 ; Publication No. US20040054156A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sirna Therapeutics, Inc.
 ; APPLICANT: Draper, Kenneth
 ; APPLICANT: Blatt, Larry
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
 ; FILE REFERENCE: 400/075 (MBH00-845-I)
 ; CURRENT APPLICATION NUMBER: US/10/342,902
 ; CURRENT FILING DATE: 2003-01-15
 ; PRIOR APPLICATION NUMBER: US 09/877,478
 ; PRIOR FILING DATE: 2001-06-08
 ; PRIOR APPLICATION NUMBER: US 09/531,025
 ; PRIOR FILING DATE: 2000-03-20
 ; PRIOR APPLICATION NUMBER: US 09/636,385
 ; PRIOR FILING DATE: 2000-08-09
 ; PRIOR APPLICATION NUMBER: US 09/696,347
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 08/193,627
 ; PRIOR FILING DATE: 1994-02-07
 ; PRIOR APPLICATION NUMBER: US 07/882,712
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 09/436,430
 ; PRIOR FILING DATE: 1999-11-08
 ; NUMBER OF SEQ ID NOS: 6592
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 386
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Hepatitis B virus
 US-10-342-902-386

QY 1736 CTCCCACTCTCTC 1749
 Db 14 CCCCCAATCTCTC 1

Query Match 8.9%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

RESULT 137
 US-10-430-882-479/c
 ; Sequence 479, Application US/10430882
 ; Publication No. US20030203870A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Lawrence Blatt
 ; APPLICANT: James McSwiggen
 ; APPLICANT: Bharat Chowrira
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
 ; FILE REFERENCE: MBH00-878-H (400/112)
 ; CURRENT APPLICATION NUMBER: US/10/430,882
 ; CURRENT FILING DATE: 2003-05-06
 ; PRIOR APPLICATION NUMBER: 09/827,395
 ; PRIOR FILING DATE: 2001-04-05
 ; PRIOR APPLICATION NUMBER: 09/780,533
 ; PRIOR FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: PCT/US01/04273
 ; PRIOR FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: 60/181,797
 ; PRIOR FILING DATE: 2000-02-11
 ; NUMBER OF SEQ ID NOS: 2617
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 479
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-10-430-882-479

Query Match 8.9%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1675 AACCTGTGTGCTC 1688
 Db 17 AACCTGTGTGCTC 4

RESULT 138
 US-10-430-882-990/c
 ; Sequence 990, Application US/10430882
 ; Publication No. US20030203870A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Lawrence Blatt
 ; APPLICANT: James McSwiggen
 ; APPLICANT: Bharat Chowrira
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
 ; FILE REFERENCE: MBH00-878-H (400/112)
 ; CURRENT APPLICATION NUMBER: US/10/430,882
 ; CURRENT FILING DATE: 2003-05-06
 ; PRIOR APPLICATION NUMBER: 09/827,395
 ; PRIOR FILING DATE: 2001-04-05
 ; PRIOR APPLICATION NUMBER: 09/780,533
 ; PRIOR FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: PCT/US01/04273
 ; PRIOR FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: 60/181,797
 ; PRIOR FILING DATE: 2000-02-11
 ; PRIOR APPLICATION NUMBER: PCT/US02/10512

; PRIOR FILING DATE: 2002-04-03
 ; NUMBER OF SEQ ID NOS: 2617
 ; SOFTWARE: Patent in version 3.0
 ; SEQ ID NO 990
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-10-430-882-990

Query Match 8.9%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 2e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1673 GGAACCCCTGGTGC 1686
 DB 14 GGAACCCCTGGTGC 1

RESULT 139

US-10-209-787-3470/c
 ; Sequence 3470, Application US/10209787
 ; Publication No. US20030217377A1
 ; GENERAL INFORMATION:

; APPLICANT: Kmiec, Eric B.
 ; APPLICANT: Gamper, Howard B.

; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

; FILE REFERENCE: Napro-4

; CURRENT APPLICATION NUMBER: US/10/209,787

; PRIOR FILING DATE: 2002-07-30

; PRIOR APPLICATION NUMBER: US 09/818,875

; PRIOR FILING DATE: 2001-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

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; PRIOR FILING DATE: 2000-03-27

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; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

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; PRIOR FILING DATE: 2000-03-27

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; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR FILING DATE: 2000-03-27

; PRIOR APPLICATION NUMBER: US 60/192,176
 ; PRIOR FILING DATE: 2000-03-27
 ; PRIOR APPLICATION NUMBER: US 60/192,179
 ; PRIOR FILING DATE: 2000-03-27
 ; PRIOR APPLICATION NUMBER: US 60/208,538
 ; PRIOR FILING DATE: 2000-06-01
 ; PRIOR APPLICATION NUMBER: US 60/244,989
 ; PRIOR FILING DATE: 2000-10-30
 ; NUMBER OF SEQ ID NOS: 4385
 ; SOFTWARE: Friedman macro Napro4
 ; SEQ ID NO 3471
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-209-787-3471

Query Match 8.9%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 2e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCTGG 1699
 DB 4 CTCCTCCAGCTGG 17

RESULT 141

US-10-261-185-3470/c

; Sequence 3470, Application US/10261185

; Publication No. US20040014057A1

; GENERAL INFORMATION:

; APPLICANT: Kmiec, Eric B.

; APPLICANT: Gamper, Howard B.

; APPLICANT: Rice, Michael C.

; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

; FILE REFERENCE: Napro-4CON

; CURRENT APPLICATION NUMBER: US/10/261,185

; PRIOR FILING DATE: 2002-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/09761

; PRIOR FILING DATE: 2001-03-27

; PRIOR APPLICATION NUMBER: US 60/192,176

; PRIOR FILING DATE: 2000-03-27

; PRIOR APPLICATION NUMBER: US 60/192,179

; PRIOR FILING DATE: 2000-03-27

; PRIOR APPLICATION NUMBER: US 60/208,538

; PRIOR FILING DATE: 2000-06-01

; PRIOR APPLICATION NUMBER: US 60/244,989

; PRIOR FILING DATE: 2000-10-30

; NUMBER OF SEQ ID NOS: 4385

; SOFTWARE: Friedman macro Napro4

; SEQ ID NO 3470

; LENGTH: 17

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-261-185-3470

Query Match 8.9%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 2e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCTGG 1699
 DB 14 CTCCTCCAGCTGG 1

RESULT 142

US-10-261-185-3471

; Sequence 3471, Application US/10261185

; Publication No. US20040014057A1

; GENERAL INFORMATION:

; APPLICANT: Kmiec, Eric B.

; APPLICANT: Gamper, Howard B.

; APPLICANT: Rice, Michael C.

```

; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3471
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-3471

Query Match      8.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 0;

QY 1686 CTCCTCCAGCTGG 1699
DB 4 CTCCTCCAGCTGG 17

RESULT 143
US-10-138-674-4993/c
; Sequence 4993, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MEHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4993
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-4993

Query Match      8.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 0;

QY 1663 GCTCAGCTGGAA 1676
DB 15 GCCCAGCTGGAA 2

RESULT 144
US-10-138-674-7822/c
; Sequence 7822, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan

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; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MEHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7822
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-7822

Query Match      8.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 0;

QY 1663 GCTCAGCTGGAA 1676
DB 17 GCCCAGCTGGAA 4

RESULT 145
US-10-138-674-7823/c
; Sequence 7823, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MEHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7823
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-7823

Query Match      8.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 0;

QY 1663 GCTCAGCTGGAA 1676
DB 14 GCCCAGCTGGAA 1

RESULT 146
US-10-287-949A-4993/c
; Sequence 4993, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MEHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4993

```

; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-4993

Query Match 8.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGAA 1676
||| ||||| |||||
Db 15 GCCCACAGCTGGAA 2

RESULT 147

US-10-287-949A-7822/c
; Sequence 7822, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7822
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-7822

Query Match 8.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGAA 1676
||| ||||| |||||
Db 17 GCCCACAGCTGGAA 4

RESULT 148

US-10-287-949A-7823/c
; Sequence 7823, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7823
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-7823

Query Match 8.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGAA 1676
||| ||||| |||||
Db 14 GCCCACAGCTGGAA 1

RESULT 149

US-10-669-841-386/c
; Sequence 386, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; TITLE OF INVENTION: VIRUS REPLICATION
; FILE REFERENCE: 400/042US (MBH02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 386
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-386

Query Match 8.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCTCACTCTCTC 1749
||| ||||| |||||
Db 14 CCCCCCACTCTCTC 1

RESULT 150

US-09-822-722-18
; Sequence 18, Application US/09822722
; Patent No. US20020114772A1
; GENERAL INFORMATION:
; APPLICANT: Kishimoto, Jiro
; APPLICANT: Morgan, Bruce A.
; APPLICANT: Burgeson, Robert
; TITLE OF INVENTION: METHODS OF MODULATING HAIR GROWTH
; FILE REFERENCE: 10287-058001
; CURRENT APPLICATION NUMBER: US/09/822,722

schultz139-3.rnpb

Mon Aug 30 09:26:47 2004

```

; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/261,690
; PRIOR FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 60/193,771
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer for PCR
US-09-822-722-18

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1685 TCTCTCCAGCGTG 1698
Db      4 TCTCTCCAGCATG 17

RESULT 151
US-09-969-373-1963
; Sequence 1963, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
; APPLICANT: Effertz, Roger J.
; APPLICANT: Haug, Brian M.
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
; FILE REFERENCE: 38-10(52679)A
; CURRENT APPLICATION NUMBER: US/09/969,373
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 09/754,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: US 09/760,427
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: US 09/855,768
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 1963
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-1963

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1677 CCCTGGTCTCCT 1690
Db      2 CCCTGGTCTTCT 15

RESULT 152
US-10-059-579-71
; Sequence 71, Application US/10059579
; Publication No. US20030138783A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: SUDHAR, Saraswati
; APPLICANT: EVRON, Ella
; APPLICANT: DOOLEY, William C.
; APPLICANT: DAVIDSON, Nancy
; APPLICANT: FACKLER, Mary Jo.
; TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
; FILE REFERENCE: JHU1630-1
; CURRENT APPLICATION NUMBER: US/10/059,579
; CURRENT FILING DATE: 2003-02-03
; PRIOR APPLICATION NUMBER: US 09/771,357

; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/261,690
; PRIOR FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 60/193,771
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR sense primer
US-10-059-579-71

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1698 GGTGAAGTTGGT 1711
Db      4 GTTGAAGTTGGT 17

RESULT 153
US-10-285-976-185
; Sequence 185, Application US/10285976
; Publication No. US20030165500A1
; GENERAL INFORMATION:
; APPLICANT: Rhee, Chae-Sec
; APPLICANT: Malini, Sen
; APPLICANT: Wu, Christina
; APPLICANT: Leon, Lorenzo M.
; APPLICANT: Corr, Maripat
; APPLICANT: Carson, Dennis A.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Wnt and Frizzled Receptors as Targets for Immunotherapy
; FILE REFERENCE: in Head and Neck Squamous Cell Carcinomas
; FILE REFERENCE: 023070-130320US
; CURRENT APPLICATION NUMBER: US/10/285,976
; CURRENT FILING DATE: 2002-11-01
; PRIOR APPLICATION NUMBER: US 60/287,995
; PRIOR FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: WO PCT/US02/13802
; PRIOR FILING DATE: 2002-05-01
; NUMBER OF SEQ ID NOS: 232
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 185
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:DKK3 probe
US-10-285-976-185

Query Match      8.9%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1692 CAGCGGTGGTGAAG 1705
Db      5 CAGCGGTGGTGAAG 18

RESULT 154
US-10-349-143-11223
; Sequence 11223, Application US/10349143
; Publication No. US2004005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Iliya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978

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; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11223
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: downstream amplification primer 99-3479 for SEQ 3358, in complete
US-10-349-143-11223

Query Match
Best Local Similarity 8.9%; Score 12.4; DB 1; Length 18;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATTGG 1735
Db 5 GAGATGGAGATTGG 18

RESULT 155
US-10-138-674-1468/c
; Sequence 1468, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1468
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-1468

Query Match
Best Local Similarity 8.9%; Score 12.4; DB 1; Length 18;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGAA 1676
Db 16 GCCACACAGCTGGAA 3

RESULT 156
US-10-287-949A-1468/c
; Sequence 1468, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A

```

```

; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1468
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-1468

```

```

Query Match
Best Local Similarity 8.9%; Score 12.4; DB 1; Length 18;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGAA 1676
Db 16 GCCACACAGCTGGAA 3

```

```

RESULT 157
US-09-728-552-1/c
; Sequence 1, Application US/09728552
; Publication No. US20030096398A1
; GENERAL INFORMATION:
; APPLICANT: Choo, Kong-Hong Andy
; APPLICANT: Du Sart, Desiree
; APPLICANT: Cancilla, Michael R.
; TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE
; FILE REFERENCE: Davies Col
; CURRENT APPLICATION NUMBER: US/09/728,552
; CURRENT FILING DATE: 2000-12-02
; PRIOR APPLICATION NUMBER: 09/078,294
; PRIOR FILING DATE: 1998-05-13
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 19
; TYPE: DNA
; ORGANISM: DNA primer
US-09-728-552-1

```

```

Query Match
Best Local Similarity 8.9%; Score 12.4; DB 1; Length 19;
Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTGGAAACC 1679
Db 18 GGCTCAVRCCTGTAATCC 1

```

```

RESULT 158
US-10-349-143-10908/c
; Sequence 10908, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10908
; LENGTH: 19
; TYPE: DNA

```

Mon Aug 30 09:26:47 2004

schultz139-3.rnpb

ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1.19
OTHER INFORMATION: downstream amplification primer 99-21827 for SEQ 3043, in complete
US-10-349-143-10908

Query Match 8.9%; Score 12.4; DB 1; Length 19;
Best Local Similarity 92.9%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1631 GGATGGGGCTTGTGA 1644
Db 19 GGTGGGGCTTGTGA 6

RESULT 159
US-10-463-981B-1/c
Sequence 1, Application US/10463981B
Publication No. US20040081982A1
GENERAL INFORMATION:
APPLICANT: Choo, Kong-Hong Andy
APPLICANT: Wong, Lee Hwa
TITLE OF INVENTION: Neocentromere-based mini-chromosomes or artificial chromosomes
FILE REFERENCE: A35869-PCT-USA-A (071838.0140)
CURRENT APPLICATION NUMBER: US/10/463,981B
CURRENT FILING DATE: 2003-06-17
PRIOR APPLICATION NUMBER: PCT/AU01/01644
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: AU PR2247
PRIOR FILING DATE: 2000-12-21
PRIOR APPLICATION NUMBER: AU PR8909
PRIOR FILING DATE: 2001-11-16
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patent in version 3.0
SEQ ID NO 1
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Synthetic oligonucleotide primer
US-10-463-981B-1

Query Match 8.9%; Score 12.4; DB 1; Length 19;
Best Local Similarity 72.2%; Pred. No. 2.5e+02;
Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCACGCTGGACCC 1679
Db 18 GGCTCAVRCCTGTATCC 1

RESULT 160
US-09-866-108-527
Sequence 527, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: A60MICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.5
PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: A60MICA Sequence Listing Engine
SEQ ID NO 527
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-866-108-527

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCAAGCACC 1660
Db 1 AGCAGATGACAGCATC 17

RESULT 161
US-09-866-108-528
Sequence 528, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: A60MICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30


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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 528
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-528
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Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```
QY 1645 GCAGAGGACGACGACCA 1661
    ||||| ||||| ||||| |||||
DB 1 GCAGATGACAGCATCA 17
```

```
RESULT 162
US-09-866-108-1264/c
; Sequence 1264, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR FILING DATE: 2000-10-04
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
```

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; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1264
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-1264
```

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Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 1729 AGATGCTCCCACTC 1745
    ||||| ||||| ||||| |||||
DB 17 AGATCGTCCCACTC 1
```

```
RESULT 163
US-09-866-108-7831
; Sequence 7831, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7831
; LENGTH: 17
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schultz139-3.rnpb

Mon Aug 30 09:26:47 2004

```

; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7831

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGGAC 1677
DB 1 AGCCTCACAGCTGAAC 17

RESULT 164
US-09-866-108-9658/c
; Sequence 9658, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 9658
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-9658

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGGACCCCTGCTCTC 1688
DB 1 TGGACCCCTGCTCTC 1688

```

```

DB 17 TGGACCCCTGCGCTCTC 1

RESULT 165
US-09-416-384A-26
; Sequence 26, Application US/09416384A
; Patent No. US20020081584A1
; GENERAL INFORMATION:
; APPLICANT: BLUMENFELD, Marta
; APPLICANT: BOUGUELERET, Lydie
; APPLICANT: CHUMAKOV, Ilya
; APPLICANT: COHEN, Daniel
; APPLICANT: ESSIOUX, Laurent
; TITLE OF INVENTION: Genes, proteins and biallelic markers related to central...
; FILE REFERENCE: GENSET.045AUS
; CURRENT FILING DATE: 1999-10-12
; CURRENT APPLICATION NUMBER: US/09/416,384A
; PRIOR APPLICATION NUMBER: 60/106,457
; PRIOR FILING DATE: 1999-10-30
; PRIOR APPLICATION NUMBER: 60/103,955
; PRIOR FILING DATE: 1998-10-12
; PRIOR APPLICATION NUMBER: 60/132,277
; PRIOR FILING DATE: 1999-05-03
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: Patent.pm
; SEQ ID NO 26
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide moCTGR1511
US-09-416-384A-26

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1685 TCTCTCCACGCGTGGTG 1701
DB 1 TGTCTCGAGCGTGGGG 17

RESULT 166
US-09-864-785-1557
; Sequence 1557, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Jan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1557
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-1557

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 52.9%; Pred. No. 2.1e+02;
Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1676 ACCCTGGTCTCTCTCC 1692
DB 1 ACCAUGGUGUUCUUC 17

```

RESULT 167
 US-09-864-785-2921/c
 ; Sequence 2921, Application US/09864785
 ; Patent No. US20020177568A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Draper, Ken
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
 ; TITLE OF INVENTION: Levels of NF-Kappa B
 ; FILE REFERENCE: 400/022 (MBHB00-812-D)
 ; CURRENT APPLICATION NUMBER: US/09/864,785
 ; CURRENT FILING DATE: 2001-05-23
 ; NUMBER OF SEQ ID NOS: 3929
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO 2921
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
 US-09-864-785-2921

Query Match 8.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1739 CCAACTCTCTCCCTATCC 1755
 DB 17 CCAGCTCCCTCCCTTCC 1

RESULT 168
 US-09-864-785-2922/c
 ; Sequence 2922, Application US/09864785
 ; Patent No. US20020177568A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Draper, Ken
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
 ; TITLE OF INVENTION: Levels of NF-Kappa B
 ; FILE REFERENCE: 400/022 (MBHB00-812-D)
 ; CURRENT APPLICATION NUMBER: US/09/864,785
 ; CURRENT FILING DATE: 2001-05-23
 ; NUMBER OF SEQ ID NOS: 3929
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO 2922
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
 US-09-864-785-2922

Query Match 8.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1738 CCAACTCTCTCCCTATC 1754
 DB 17 CCAGCTCCCTCCCTTTC 1

RESULT 169
 US-09-780-533A-576
 ; Sequence 576, Application US/09780533A
 ; Publication No. US20030060611A1
 ; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Blatt, Larry
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Chowrira, Bharat
 ; APPLICANT: Haerberli, Pete
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
 ; FILE REFERENCE: MBHB00, 878-A (400/011)
 ; CURRENT APPLICATION NUMBER: US/09/780,533A
 ; CURRENT FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: US 60/181,797
 ; PRIOR FILING DATE: 2000-02-11
 ; NUMBER OF SEQ ID NOS: 6679
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO 576
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-09-780-533A-576

Query Match 8.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 58.8%; Pred. No. 2.1e+02;
 Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1704 AGTGGGTAGGAGTAC 1720
 DB 1 AGTUGGUUCAGAGUAC 17

RESULT 170
 US-09-877-478-2359/c
 ; Sequence 2359, Application US/09877478
 ; Publication No. US20030068301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Draper, Kenneth
 ; APPLICANT: Blatt, Larry
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Morrissey, Dave
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
 ; FILE REFERENCE: MBHB00-845-H (400/029)
 ; CURRENT APPLICATION NUMBER: US/09/877,478
 ; CURRENT FILING DATE: 2001-12-31
 ; PRIOR APPLICATION NUMBER: US 07/882,712
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 09/531,025
 ; PRIOR FILING DATE: 2000-03-20
 ; PRIOR APPLICATION NUMBER: US 09/636,385
 ; PRIOR FILING DATE: 2000-08-09
 ; PRIOR APPLICATION NUMBER: US 09/696,347
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 08/193,627
 ; PRIOR FILING DATE: 1994-02-07
 ; PRIOR APPLICATION NUMBER: US 08/433,993
 ; PRIOR FILING DATE: 1995-05-04
 ; PRIOR APPLICATION NUMBER: US 08/434,504
 ; PRIOR FILING DATE: 1995-05-04
 ; PRIOR APPLICATION NUMBER: US 09/436,430
 ; PRIOR FILING DATE: 1999-11-08
 ; NUMBER OF SEQ ID NOS: 6586
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO 2359
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Hepatitis B virus
 US-09-877-478-2359

Query Match 8.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1740 CCACTCTCTCCCTATCCT 1756
 DB 17 CCACTCTCTCCCTATC 1

schultz139-3.rnpb

Mon Aug 30 09:26:47 2004

; PRIOR FILING DATE: 2001-06-08
 ; PRIOR APPLICATION NUMBER: US 09/531,025
 ; PRIOR FILING DATE: 2000-03-20
 ; PRIOR APPLICATION NUMBER: US 09/636,385
 ; PRIOR FILING DATE: 2000-08-09
 ; PRIOR APPLICATION NUMBER: US 09/696,347
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 08/193,627
 ; PRIOR FILING DATE: 1994-02-07
 ; PRIOR APPLICATION NUMBER: US 07/882,712
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 09/436,430
 ; PRIOR FILING DATE: 1999-11-08
 ; NUMBER OF SEQ ID NOS: 6592
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 2359
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Hepatitis B virus
 ; US-10-342-902-2359
 Query Match 8.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1740 CAACTCTCTCCCTATCCT 1756
 |||||
 DB 17 CAACTCTCTCCCTATCAT 1

RESULT 174
 US-10-060-756A-752
 ; Sequence 752, Application US/10060756A
 ; Publication No. US20030046717A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Zhang, Jian
 ; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
 ; FILE REFERENCE: PB0177
 ; CURRENT APPLICATION NUMBER: US/10/060,756A
 ; CURRENT FILING DATE: 2002-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 09/864,761
 ; PRIOR FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/327,898
 ; PRIOR FILING DATE: 2001-10-09
 ; NUMBER OF SEQ ID NOS: 4804
 ; SOFTWARE: Asomica Sequence Listing Engine
 ; SEQ ID NO 752
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-060-756A-752

Query Match 8.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTGGACCC 1678
 |||||
 DB 1 GACTCACTGCTGGACCC 17

; PRIOR FILING DATE: 2001-06-08
 ; PRIOR APPLICATION NUMBER: US 09/531,025
 ; PRIOR FILING DATE: 2000-03-20
 ; PRIOR APPLICATION NUMBER: US 09/636,385
 ; PRIOR FILING DATE: 2000-08-09
 ; PRIOR APPLICATION NUMBER: US 09/696,347
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 08/193,627
 ; PRIOR FILING DATE: 1994-02-07
 ; PRIOR APPLICATION NUMBER: US 07/882,712
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 09/436,430
 ; PRIOR FILING DATE: 1999-11-08
 ; NUMBER OF SEQ ID NOS: 6592
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 2359
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Hepatitis B virus
 ; US-10-342-902-2359
 Query Match 8.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1731 ATTGGCTCCCACTCTCT 1747
 |||||
 DB 1 AUGGCUCCAGUACCU 17

RESULT 172
 US-09-848-754A-1500
 ; Sequence 1500, Application US/09848754A
 ; Publication No. US20030073207A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Growth Factor Receptors
 ; FILE REFERENCE: MBH00-958-I (400/018)
 ; CURRENT APPLICATION NUMBER: US/09/848,754A
 ; CURRENT FILING DATE: 2001-05-03
 ; NUMBER OF SEQ ID NOS: 9645
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 1500
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 ; US-09-848-754A-1500

Query Match 8.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 58.8%; Pred. No. 2.1e+02;
 Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1685 TCTCTCCAGCTGGTG 1701
 |||||
 DB 1 UCUCUCCUCCUGGAG 17

RESULT 173
 US-10-342-902-2359/c
 ; Sequence 2359, Application US/10342902
 ; Publication No. US20040054156A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sirna Therapeutics, Inc.
 ; APPLICANT: Draper, Kenneth
 ; APPLICANT: Blatt, Larry
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Morrissey, Dave
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
 ; FILE REFERENCE: 400/075 (MBH00-845-I)
 ; CURRENT APPLICATION NUMBER: US/10/342,902
 ; CURRENT FILING DATE: 2003-01-15
 ; PRIOR APPLICATION NUMBER: US 09/877,478

RESULT 175

US-10-163-552-471
; Sequence 471, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: MBH01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 471
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-471

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 2.1e+02;

Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1749 CCTATCCTTAAGGCCA 1765

Db 1 CCUCUCCUACAUGCCA 17

RESULT 176

US-10-061-201-1606
; Sequence 1606, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aesomica Sequence Listing Engine
; SEQ ID NO 1606
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1606

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1673 GGAACCTGGTGCTCC 1689

Db 1 GGAGCCCTGGTCTCTAC 17

Query Match

Best Local Similarity 8.8%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1673 GGAACCTGGTGCTCC 1689

Db 1 GGAGCCCTGGTCTCTAC 17

RESULT 178

US-10-061-201-1612
; Sequence 1612, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1671 CTGGAACCTGGTGCT 1687

Db 1 CTGGAACCTGGTGCT 1687

schultz139-3.rnpb

Mon Aug 30 09:26:47 2004

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; Sequence 1763, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2003-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1612
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1612

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCTGTGTCCTCTCCA 1693
DB 1 CCTGTGTCCTCTCCA 17

RESULT 179
US-10-061-201-1762/c
; Sequence 1762, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1762
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1762

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1749 CCTATCCTTAAGGCCA 1765
DB 17 CTTGTCTTAAGTCCCA 1

RESULT 180
US-10-061-201-1763/c
; Sequence 1763, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2003-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1763
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1763

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1748 CCTATCCTTAAGGCC 1764
DB 17 CTTGTCTTAAGTCCC 1

RESULT 181
US-10-339-793-72
; Sequence 72, Application US/10339793
; Publication No. US20030180764A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Shang, Jin
; APPLICANT: Bowen, Benjamin
; TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS
; FILE REFERENCE: 37-000310US
; CURRENT APPLICATION NUMBER: US/10/339,793
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 443
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-793-72

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1735 GCTCCCAACTCTCCCT 1751
DB 1 GATCCCAACTCTCTCTT 17

```

RESULT 182

US-10-138-674-7198/c
; Sequence 7198, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7198
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-7198

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGAACCC 1679

Db 17 GCGCACAGCAGGACCCC 1

RESULT 183

US-10-138-674-7831/c
; Sequence 7831, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7831
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-7831

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1692 CAGCGTGGTGGAGTTG 1708

Db 17 CAGCGTGGTGGTAGGTG 1

RESULT 184

US-10-287-949A-7198/c
; Sequence 7198, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme

; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7198
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-7198

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGAACCC 1679

Db 17 GCGCACAGCAGGACCCC 1

RESULT 185

US-10-287-949A-7831/c
; Sequence 7831, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7831
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-7831

Query Match 8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1692 CAGCGTGGTGGAGTTG 1708

Db 17 CAGCGTGGTGGTAGGTG 1

RESULT 186

US-10-712-672-476/c
; Sequence 476, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBH00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14

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; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 476
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-476

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1642 GTAGCAGGAAGCAAGCA 1658
DB 17 GAAGCCGAAGCCAGCA 1

RESULT 187
US-10-712-672-523
; Sequence 523, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBH00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; PRIOR FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 523
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-523

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 2.1e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1733 TGGCTCCCAACTCTCTCC 1749
DB 1 UGGCUCCAGCGGCGCC 17

RESULT 188
US-10-712-672-2523/c
; Sequence 2523, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBH00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; PRIOR FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713

; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2523
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-2523

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1646 CAGAAGCAAGCAGCAGCAG 1662
DB 17 CAGCAGGCCGCGCAGCAG 17

RESULT 189
US-10-669-841-2162/c
; Sequence 2162, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavcc
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Drafer
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; FILE REFERENCE: 400/04305 (MBH02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; PRIOR FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2162
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-2162

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1740 CAACCTCTCCCTATCTCT 1756
DB 17 CAACCTCTCCCTATCTCT 17

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RESULT 190
US-10-723-361-527
; Sequence 527, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 527
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-527

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCAAGCACC 1660
      ||||| | ||||| |
DB 1 AGCAGATGACAGCATC 17

RESULT 191
US-10-723-361-528
; Sequence 528, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 527
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-527

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCAAGCACC 1660
      ||||| | ||||| |
DB 1 AGCAGATGACAGCATC 17

RESULT 191
US-10-723-361-528
; Sequence 528, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 527
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-528

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1645 GCAGAGGCAAGCACC 1661
      ||||| | ||||| |
DB 1 GCAGATGACAGCATCA 17

RESULT 192
US-10-723-361-1264/c
; Sequence 1264, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 528
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-528
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Mon Aug 30 09:26:47 2004

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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1264
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-1264

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1729 AGATTGGCTCCCAACTC 1745
DB 17 AGATCGTCCCCCAACTC 1

RESULT 193
US-10-723-361-7831
; Sequence 7831, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT FILING DATE: 2003-11-26
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7831
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7831

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGAAC 1677
DB 1 AGCCTCACAGCTGGAAC 17

RESULT 194

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```

US-10-723-361-9658/c
; Sequence 9658, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT FILING DATE: 2003-11-26
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 9658
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-9658

Query Match      8.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGGAAACCCCTGGTGCTC 1688
DB 17 TGGACCCCTGGCCTCTC 1

RESULT 195
US-09-969-373-2481/c
; Sequence 2481, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
; APPLICANT: Effertz, Roger J.
; APPLICANT: Hauge, Brian M.
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
; FILE REFERENCE: 38-10(52679)A
; CURRENT APPLICATION NUMBER: US/09/969,373
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 09/754,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: US 09/760,427
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: US 09/855,768
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 2481
; LENGTH: 18

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Query Match	8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity	82.4%; Pred. No. 2.4e+02;
Matches	14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY	1682 GTGTCCTCTCCAGCGTG 1698
DB	2 GTGGCTCTCGAGCTTG 18
<p>RESULT 198</p> <p>US-10-252-155-119/c</p> <p>Sequence 119, Application US/10252155</p> <p>Publication No. US20040068096A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Bristol-Myers Squibb Company</p> <p>TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS IN ORGANIC ANION TRANSPORT</p> <p>TITLE OF INVENTION: MULTI-DRUG RESISTANT PROTEINS</p> <p>FILE REFERENCE: D0152 NP</p> <p>CURRENT APPLICATION NUMBER: US/10/252,155</p> <p>CURRENT FILING DATE: 2002-09-20</p> <p>PRIOR APPLICATION NUMBER: US 60/324,172</p> <p>PRIOR FILING DATE: 2001-09-21</p> <p>PRIOR APPLICATION NUMBER: US 60/333,700</p> <p>PRIOR FILING DATE: 2001-11-27</p> <p>NUMBER OF SEQ ID NOS: 783</p> <p>SOFTWARE: PatentIn version 3.1</p> <p>SEQ ID NO 119</p> <p>LENGTH: 18</p> <p>TYPE: DNA</p> <p>ORGANISM: Homo sapiens</p> <p>US-10-252-155-119</p>	
Query Match	8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity	82.4%; Pred. No. 2.4e+02;
Matches	14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY	1744 TCCTCCCTATCTCTAAAG 1760
DB	18 TCCTCCCTGTCCAGAG 2
<p>RESULT 199</p> <p>US-10-001-632A-5/c</p> <p>Sequence 5, Application US/10001632A</p> <p>Publication No. US20020151492A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Conklin, Darrell C.</p> <p>APPLICANT: Feldhaus, Andrew L.</p> <p>APPLICANT: Holderman, Susan D.</p> <p>TITLE OF INVENTION: Testis Specific Protein</p> <p>FILE REFERENCE: 99-17C1</p> <p>CURRENT APPLICATION NUMBER: US/10/001,632A</p> <p>CURRENT FILING DATE: 2002-03-13</p> <p>PRIOR APPLICATION NUMBER: 60/128,210</p> <p>PRIOR FILING DATE: 199-04-07</p> <p>PRIOR APPLICATION NUMBER: 60/166,040</p> <p>PRIOR FILING DATE: 1999-11-17</p> <p>PRIOR APPLICATION NUMBER: 09/541,9190</p> <p>PRIOR FILING DATE: 2000-04-03</p> <p>NUMBER OF SEQ ID NOS: 12</p> <p>SOFTWARE: FastSeq for Windows Version 3.0</p> <p>SEQ ID NO 5</p> <p>LENGTH: 18</p> <p>TYPE: DNA</p> <p>ORGANISM: Artificial Sequence</p> <p>FEATURE:</p> <p>OTHER INFORMATION: PCR primer</p> <p>US-10-001-632A-5</p>	
Query Match	8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity	82.4%; Pred. No. 2.4e+02;
Matches	14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY	1682 GTGTCCTCTCCAGCGTG 1698
DB	17 GTCTCTCTCCCGCTG 1
<p>RESULT 197</p> <p>US-10-382-248-49</p> <p>Sequence 49, Application US/10382248</p> <p>Publication No. US20040058347A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Alsobrook, et al.</p> <p>TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME</p> <p>FILE REFERENCE: 21402-568C</p> <p>CURRENT APPLICATION NUMBER: US/10/382,248</p> <p>CURRENT FILING DATE: 2003-03-05</p> <p>PRIOR APPLICATION NUMBER: 60/366,928</p> <p>PRIOR FILING DATE: 2002-03-22</p> <p>PRIOR APPLICATION NUMBER: 60/361,974</p> <p>PRIOR FILING DATE: 2002-03-06</p> <p>PRIOR APPLICATION NUMBER: 60/365,477</p> <p>PRIOR FILING DATE: 2002-03-19</p> <p>PRIOR APPLICATION NUMBER: 60/401,661</p> <p>PRIOR FILING DATE: 2002-08-06</p> <p>NUMBER OF SEQ ID NOS: 82</p> <p>SOFTWARE: CuraseqList version 0.1</p> <p>SEQ ID NO 49</p> <p>LENGTH: 18</p> <p>TYPE: DNA</p> <p>ORGANISM: Artificial Sequence</p> <p>FEATURE:</p> <p>OTHER INFORMATION: Description of Artificial Sequence: Primer/Probe</p> <p>US-10-382-248-49</p>	
Query Match	8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity	82.4%; Pred. No. 2.4e+02;
Matches	14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY	1697 TGGTGAAGTTGGTTA 1713
DB	18 TGGTTGAGCTGGTTA 2
<p>RESULT 196</p> <p>US-09-779-152-46/c</p> <p>Sequence 46, Application US/09779152</p> <p>Publication No. US20030044782A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Acton, Susan L.</p> <p>APPLICANT: Ordovas, Jose M.</p> <p>APPLICANT: McCarthy, Jeanette J.</p> <p>TITLE OF INVENTION: DIAGNOSTIC ASSAYS AND KITS FOR BODY MASS AND</p> <p>TITLE OF INVENTION: CARDIOVASCULAR DISORDERS</p> <p>FILE REFERENCE: WNI-172CP2</p> <p>CURRENT APPLICATION NUMBER: US/09/779,152</p> <p>CURRENT FILING DATE: 2001-02-08</p> <p>PRIOR APPLICATION NUMBER: 08/890,379</p> <p>PRIOR FILING DATE: 1997-07-10</p> <p>NUMBER OF SEQ ID NOS: 121</p> <p>SOFTWARE: PatentIn Ver. 2.0</p> <p>SEQ ID NO 46</p> <p>LENGTH: 18</p> <p>TYPE: DNA</p> <p>ORGANISM: Human</p> <p>US-09-779-152-46</p>	
Query Match	8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity	82.4%; Pred. No. 2.4e+02;
Matches	14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY	1682 GTGTCCTCTCCAGCGTG 1698
DB	17 GTCTCTCTCCCGCTG 1
<p>RESULT 197</p> <p>US-10-382-248-49</p> <p>Sequence 49, Application US/10382248</p> <p>Publication No. US20040058347A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Alsobrook, et al.</p> <p>TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME</p> <p>FILE REFERENCE: 21402-568C</p> <p>CURRENT APPLICATION NUMBER: US/10/382,248</p> <p>CURRENT FILING DATE: 2003-03-05</p> <p>PRIOR APPLICATION NUMBER: 60/366,928</p> <p>PRIOR FILING DATE: 2002-03-22</p> <p>PRIOR APPLICATION NUMBER: 60/361,974</p> <p>PRIOR FILING DATE: 2002-03-06</p> <p>PRIOR APPLICATION NUMBER: 60/365,477</p> <p>PRIOR FILING DATE: 2002-03-19</p> <p>PRIOR APPLICATION NUMBER: 60/401,661</p> <p>PRIOR FILING DATE: 2002-08-06</p> <p>NUMBER OF SEQ ID NOS: 82</p> <p>SOFTWARE: CuraseqList version 0.1</p> <p>SEQ ID NO 49</p> <p>LENGTH: 18</p> <p>TYPE: DNA</p> <p>ORGANISM: Artificial Sequence</p> <p>FEATURE:</p> <p>OTHER INFORMATION: Description of Artificial Sequence: Primer/Probe</p> <p>US-10-382-248-49</p>	
Query Match	8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity	82.4%; Pred. No. 2.4e+02;
Matches	14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY	1682 GTGTCCTCTCCAGCGTG 1698
DB	17 GTCTCTCTCCCGCTG 1
<p>RESULT 197</p> <p>US-10-382-248-49</p> <p>Sequence 49, Application US/10382248</p> <p>Publication No. US20040058347A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Alsobrook, et al.</p> <p>TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME</p> <p>FILE REFERENCE: 21402-568C</p> <p>CURRENT APPLICATION NUMBER: US/10/382,248</p> <p>CURRENT FILING DATE: 2003-03-05</p> <p>PRIOR APPLICATION NUMBER: 60/366,928</p> <p>PRIOR FILING DATE: 2002-03-22</p> <p>PRIOR APPLICATION NUMBER: 60/361,974</p> <p>PRIOR FILING DATE: 2002-03-06</p> <p>PRIOR APPLICATION NUMBER: 60/365,477</p> <p>PRIOR FILING DATE: 2002-03-19</p> <p>PRIOR APPLICATION NUMBER: 60/401,661</p> <p>PRIOR FILING DATE: 2002-08-06</p> <p>NUMBER OF SEQ ID NOS: 82</p> <p>SOFTWARE: CuraseqList version 0.1</p> <p>SEQ ID NO 49</p> <p>LENGTH: 18</p> <p>TYPE: DNA</p> <p>ORGANISM: Artificial Sequence</p> <p>FEATURE:</p> <p>OTHER INFORMATION: Description of Artificial Sequence: Primer/Probe</p> <p>US-10-382-248-49</p>	
Query Match	8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity	82.4%; Pred. No. 2.4e+02;

QY 1721 GGAGATGGAGATTGGCT 1737
||| ||||| |||||
Db 18 GTAAATGGAGCTTGCT 2

RESULT 200

US-10-023-610-46/c
; Sequence 46, Application US/10023610
; Publication No. US20030023059A1
; GENERAL INFORMATION:
; APPLICANT: Actor, Susan L.
; TITLE OF INVENTION: SR-BI NUCLEIC ACIDS AND USES THEREFOR
; FILE REFERENCE: MIA-005.03
; CURRENT APPLICATION NUMBER: US/10/023,610
; CURRENT FILING DATE: 2001-12-17
; EARLIER APPLICATION NUMBER: 09/686,106
; EARLIER FILING DATE: 2000-10-10
; EARLIER APPLICATION NUMBER: 09/032,894
; EARLIER FILING DATE: 1998-02-27
; EARLIER APPLICATION NUMBER: 08/890,980
; EARLIER FILING DATE: 1997-07-10
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Human
US-10-023-610-46

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 2.4e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1682 GTGTCCTCTCCAGCGTG 1698
||| ||||| |||||
Db 17 GTCTCTCTCCGCGTG 1

RESULT 201

US-10-428-868-20/c
; Sequence 20, Application US/10428868
; Publication No. US20030235532A1
; GENERAL INFORMATION:
; APPLICANT: Russell, Stephen
; APPLICANT: Kay Whye, Peng
; TITLE OF INVENTION: System for Monitoring the Location of
; TITLE OF INVENTION: Transgenes
; FILE REFERENCE: 07039-295001
; CURRENT APPLICATION NUMBER: US/10/428,868
; CURRENT FILING DATE: 2003-05-01
; PRIOR APPLICATION NUMBER: US/09/640,198D
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 60/149,168
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-428-868-20

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 2.4e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1717 GTACGGAGATGGAGATT 1733
||| ||||| |||||
Db 17 GTAGGAGATGAGATT 1

RESULT 202

US-10-395-607-177/c

; Sequence 177, Application US/10395607
; Publication No. US20040019928A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: Plant Retroelements and Methods Related
; TITLE OF INVENTION: Theteto
; FILE REFERENCE: 08411/036001
; CURRENT APPLICATION NUMBER: US/10/395,607
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: 09/586,106
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: 09/322,478
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/087,125
; PRIOR FILING DATE: 1998-05-29
; NUMBER OF SEQ ID NOS: 200
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 177
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-395-607-177

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 2.4e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1732 TTGGCTCCCAACTCTC 1748
||| ||||| |||||
Db 17 TTGCCCCCAAGTCTC 1

RESULT 203

US-10-212-848-46/c
; Sequence 46, Application US/10212848
; Publication No. US20040023225A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Jeanette
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR IDENTIFYING RISK FACTORS
; TITLE OF INVENTION: FOR ABNORMAL LIPID LEVELS AND THE DISEASES AND DISORDERS
; TITLE OF INVENTION: ASSOCIATED THEREWITH
; FILE REFERENCE: MMI-012
; CURRENT APPLICATION NUMBER: US/10/212,848
; CURRENT FILING DATE: 2002-08-05
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-212-848-46

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 2.4e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1682 GTGTCCTCTCCAGCGTG 1698
||| ||||| |||||
Db 17 GTCTCTCTCCGCGCTG 1

RESULT 204

US-10-799-870-177/c
; Sequence 177, Application US/10799870
; Publication No. US2004015888A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: PLANT RETROELEMENTS AND METHODS RELATED THERETO
; FILE REFERENCE: P-1065A
; CURRENT APPLICATION NUMBER: US/10/799,870
; CURRENT FILING DATE: 2004-03-12

; PRIOR APPLICATION NUMBER: US/09/586,106
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: 60/087,125
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/322,478
; PRIOR FILING DATE: 1999-05-28
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 177
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-799-870-177

Query Match 8.8%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 2.4e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1732 TTGGCTCCCACTGCTC 1748
||| | |||| ||||
Db 17 TTGCCCCCAAGTCTC 1

RESULT 205
US-10-239-504-34
; Sequence 34, Application US/10239504
; Publication No. US20040132016A1
; GENERAL INFORMATION:
; APPLICANT: NAGANO, MAKOTO
; APPLICANT: ITO, MAYUMI
; APPLICANT: SAGEHASHI, YUKIKO
; APPLICANT: HATTORI, HIROAKI
; APPLICANT: EGASHIRA, SHIZUYA
; APPLICANT: MATSUZAWA, YUJI
; TITLE OF INVENTION: METHOD OF DETECTING RISK FACTOR FOR THE ONSET OF
; TITLE OF INVENTION: ARTERIOSCLEROSIS
; FILE REFERENCE: Q72096
; CURRENT APPLICATION NUMBER: US/10/239,504
; CURRENT FILING DATE: 2003-08-06
; PRIOR APPLICATION NUMBER: PCT/JP01/02327
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: JP 2000-84264
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-239-504-34

Query Match 8.8%; Score 12.2; DB 1; Length 21;
Best Local Similarity 82.4%; Pred. No. 3.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1657 CACCAGGCTCAGCTG 1673
||||| | |||||
Db 2 CACCAGGTTCCAGCTG 18

RESULT 206
US-10-232-634-5
; Sequence 5, Application US/10232634
; Publication No. US20030105314A1
; GENERAL INFORMATION:
; APPLICANT: Guida, Marco
; APPLICANT: Hall, Jeff
; TITLE OF INVENTION: GENETIC TYPING OF THE HUMAN CYTOCHROME P450 2A6 GENE
; TITLE OF INVENTION: AND RELATED MATERIALS AND METHODS
; FILE REFERENCE: 4389-20

; CURRENT APPLICATION NUMBER: US/10/232,634
; CURRENT FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: US/09/586,376
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-232-634-5

Query Match 8.6%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1634 TGGGGCTTGAG 1645
||||| | |||||
Db 1 TGGGGCTTGAG 12

RESULT 207
US-10-407-807-18
; Sequence 18, Application US/10407807
; Publication No. US20040096848A1
; GENERAL INFORMATION:
; APPLICANT: THRUE, ANJA MOLHART
; APPLICANT: KRISTJANSEN, PAUL E.G.
; TITLE OF INVENTION: OLIGOMERIC COMPOUNDS FOR THE MODULATION HIF-1ALPHA
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: 57390 (45120)
; CURRENT APPLICATION NUMBER: US/10/407,807
; CURRENT FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: 60/370,126
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 18
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-407-807-18

Query Match 8.6%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGAT 1732
||||| | |||||
Db 3 GGAGATGGAGAT 14

RESULT 208
US-09-827-395A-755/c
; Sequence 755, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor Ge
; FILE REFERENCE: MBHB00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11

[illegible]

```
QY 1645 GCAGAAGGCAAG 1656
Db 5 GCAGAAGGCAAG 16

RESULT 212
; Sequence 947, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 947
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-947

Query Match 8.6%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1645 GCAGAAGGCAAG 1656
Db 3 GCAGAAGGCAAG 14

RESULT 214
US-10-061-201-949
; Sequence 949, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 949
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-949

Query Match 8.6%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1645 GCAGAAGGCAAG 1656
Db 4 GCAGAAGGCAAG 15

RESULT 213
US-10-061-201-948
; Sequence 948, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
```

RESULT 215
US-10-061-201-950
; Sequence 950, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 950
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-950

Query Match 8.6%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1645 GCAGAGGCGCAAG 1656
|||
Db 1 GCAGAGGCGCAAG 12

RESULT 216
US-09-832-648-9/c
; Sequence 9, Application US/09832648
; Patent No. US20020098231A1
; GENERAL INFORMATION:
; APPLICANT: STEIN, CY A
; TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
; FILE REFERENCE: 0575/55669Z
; CURRENT APPLICATION NUMBER: US/09/832,648
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/109,614
; PRIOR FILING DATE: 1998-07-02
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
US-09-832-648-9

Query Match 8.6%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1720 CGAGATGGAGA 1731
|||
Db 14 CGAGATGGAGA 3
|||
RESULT 217
US-09-832-648-27/c
; Sequence 27, Application US/09832648
; Patent No. US20020098231A1
; GENERAL INFORMATION:
; APPLICANT: STEIN, CY A
; TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
; FILE REFERENCE: 0575/55669Z
; CURRENT APPLICATION NUMBER: US/09/832,648
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/109,614
; PRIOR FILING DATE: 1998-07-02
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
; NAME/KEY: misc_binding
; LOCATION: (1)..(4)
; OTHER INFORMATION: PHOSPHOROTHATE LINKAGE
; NAME/KEY: misc_binding
; LOCATION: (5)..(7)
; OTHER INFORMATION: PHOSPHOROTHATE LINKAGE
; NAME/KEY: misc_binding
; LOCATION: (9)..(10)
; OTHER INFORMATION: PHOSPHOROTHATE LINKAGE
; NAME/KEY: misc_binding
; LOCATION: (11)..(12)
; OTHER INFORMATION: PHOSPHOROTHATE LINKAGE
; NAME/KEY: misc_binding
; LOCATION: (15)..(18)
; OTHER INFORMATION: PHOSPHOROTHATE LINKAGE
; NAME/KEY: modified_base
; LOCATION: (3)..(3)
; OTHER INFORMATION: PROP'NYL dT
; NAME/KEY: modified_base
; LOCATION: (4)..(4)
; OTHER INFORMATION: PROP'NYL dC
; NAME/KEY: modified_base
; LOCATION: (6)..(7)
; OTHER INFORMATION: PROP'NYL dC
; NAME/KEY: modified_base
; LOCATION: (5)..(5)
; OTHER INFORMATION: PROP'NYL dT
; NAME/KEY: modified_base
; LOCATION: (9)..(9)
; OTHER INFORMATION: PROP'NYL dT
; NAME/KEY: modified_base
; LOCATION: (10)..(10)
; OTHER INFORMATION: PROP'NYL dC
; NAME/KEY: modified_base
; LOCATION: (11)..(11)
; OTHER INFORMATION: PROP'NYL dT
; NAME/KEY: modified_base
; LOCATION: (12)..(13)
; OTHER INFORMATION: PROP'NYL dC
; NAME/KEY: modified_base
; LOCATION: (16)..(17)
; OTHER INFORMATION: PROP'NYL dT
US-09-832-648-27

Query Match 3.6%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


```
QY 1720 CGGAGATGGAGA 1731
Db 14 CGGAGATGGAGA 3

RESULT 218
US-09-832-648-28/c
; Sequence 28, Application US/09832648
; Patent No. US20020098231A1
; GENERAL INFORMATION:
; APPLICANT: STEIN, CY A
; TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
; FILE REFERENCE: 0575/55669Z
; CURRENT APPLICATION NUMBER: US/09/832,648
; CURRENT FILING DATE: 2001-04-11
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 09/109,614
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc.binding
; LOCATION: (1)..(4)
; OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
; NAME/KEY: misc.binding
; LOCATION: (5)..(7)
; OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
; NAME/KEY: misc.binding
; LOCATION: (9)..(10)
; OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
; NAME/KEY: misc.binding
; LOCATION: (11)..(12)
; OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
; NAME/KEY: misc.binding
; LOCATION: (15)..(18)
; OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
US-09-832-648-28

Query Match 8.6%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAGA 1731
Db 14 CGGAGATGGAGA 3

RESULT 219
US-09-753-169A-9/c
; Sequence 9, Application US/09753169A
; Publication No. US20030017196A1
; GENERAL INFORMATION:
; APPLICANT: The Trustees of Columbia University In The City of New York
; TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
; FILE REFERENCE: 0575/55669-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/753,169A
; CURRENT FILING DATE: 2001-01-02
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: PCT/US99/15250
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (3)..(3)
; OTHER INFORMATION: PROPYNYL dT
; NAME/KEY: modified_base
; LOCATION: (4)..(4)
; OTHER INFORMATION: PROPYNYL dC
; NAME/KEY: modified_base
; LOCATION: (6)..(7)
; OTHER INFORMATION: PROPYNYL dC
; NAME/KEY: modified_base
; LOCATION: (5)..(5)
; OTHER INFORMATION: PROPYNYL dT
; NAME/KEY: modified_base
; LOCATION: (9)..(9)
; OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
US-09-753-169A-9

Query Match 8.6%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAGA 1731
Db 14 CGGAGATGGAGA 3

RESULT 220
US-09-753-169A-27/c
; Sequence 27, Application US/09753169A
; Publication No. US20030017196A1
; GENERAL INFORMATION:
; APPLICANT: The Trustees of Columbia University In The City of New York
; TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
; FILE REFERENCE: 0575/55669-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/753,169A
; CURRENT FILING DATE: 2001-01-02
; PRIOR APPLICATION NUMBER: 09/109,614
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: PCT/US99/15250
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc.binding
; LOCATION: (1)..(4)
; OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
; NAME/KEY: misc.binding
; LOCATION: (5)..(7)
; OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
; NAME/KEY: misc.binding
; LOCATION: (11)..(12)
; OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
; NAME/KEY: misc.binding
; LOCATION: (15)..(18)
; OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
US-09-753-169A-27
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OTHER INFORMATION: PROPYNVL dT

FEATURE:

NAME/KEY: modified base

LOCATION: (10)..(10)

OTHER INFORMATION: PROPYNVL dC

FEATURE:

NAME/KEY: modified base

LOCATION: (11)..(11)

OTHER INFORMATION: PROPYNVL dT

FEATURE:

NAME/KEY: modified base

LOCATION: (12)..(13)

OTHER INFORMATION: PROPYNVL dC

FEATURE:

NAME/KEY: modified base

LOCATION: (16)..(17)

OTHER INFORMATION: PROPYNVL dT

US-09-753-169A-27

Query Match

Best Local Similarity 8.6%; Score 12; DB 1; Length 18;

Mismatches 0; Conservative 0; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAGA 1731

Db 14 CGGAGATGGAGA 3

RESULT 221

US-09-753-169A-28/c

Sequence 28, Application US/09753169A

Publication No. US20030017196A1

GENERAL INFORMATION:

APPLICANT: The Trustees of Columbia University In The City of New York

TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL

FILE REFERENCE: 0575/55669-A-PCT-US

CURRENT APPLICATION NUMBER: US/09/753,169A

CURRENT FILING DATE: 2001-01-02

PRIOR APPLICATION NUMBER: 09/109,614

PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: PCT/US99/15250

PRIOR FILING DATE: 1999-07-02

NUMBER OF SEQ ID NOS: 38

SOFTWARE: PatentIn version 3.1

SEQ ID NO 28

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE

FEATURE:

NAME/KEY: misc binding

LOCATION: (1)..(4)

OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE

FEATURE:

NAME/KEY: misc binding

LOCATION: (5)..(7)

OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE

FEATURE:

NAME/KEY: misc binding

LOCATION: (9)..(10)

OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE

FEATURE:

NAME/KEY: misc binding

LOCATION: (11)..(12)

OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE

FEATURE:

NAME/KEY: misc binding

LOCATION: (15)-(18)

OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE

US-09-753-169A-28

Query Match

Best Local Similarity 8.6%; Score 12; DB 1; Length 18;

Mismatches 0; Conservative 0; Indels 0; Gaps 0;

OTHER INFORMATION: PROPYNVL dT

FEATURE:

NAME/KEY: modified base

LOCATION: (10)..(10)

OTHER INFORMATION: PROPYNVL dC

FEATURE:

NAME/KEY: modified base

LOCATION: (11)..(11)

OTHER INFORMATION: PROPYNVL dT

FEATURE:

NAME/KEY: modified base

LOCATION: (12)..(13)

OTHER INFORMATION: PROPYNVL dC

FEATURE:

NAME/KEY: modified base

LOCATION: (16)..(17)

OTHER INFORMATION: PROPYNVL dT

US-09-753-169A-27

Query Match

Best Local Similarity 100.0%; Pred. No. 2.6e+02;

Mismatches 0; Conservative 0; Indels 0; Gaps 0;

QY 1720 CGGAGATGGAGA 1731

Db 14 CGGAGATGGAGA 3

RESULT 222

US-09-877-478-6527

Sequence 6527, Application US/09877478

Publication No. US20030068301A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Draper, Kenneth

APPLICANT: Blatt, Larry

APPLICANT: McSwiggen, Jim

APPLICANT: Morrissey, Dave

TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication

FILE REFERENCE: MBH00-845-H (400/029)

CURRENT APPLICATION NUMBER: US/09/877,478

CURRENT FILING DATE: 2001-12-31

PRIOR APPLICATION NUMBER: US 07/882,712

PRIOR FILING DATE: 1992-05-14

PRIOR APPLICATION NUMBER: US 09/531,025

PRIOR FILING DATE: 2000-03-20

PRIOR APPLICATION NUMBER: US 09/636,385

PRIOR FILING DATE: 2000-08-09

PRIOR APPLICATION NUMBER: US 09/696,347

PRIOR FILING DATE: 2000-10-24

PRIOR APPLICATION NUMBER: US 08/193,627

PRIOR FILING DATE: 1994-02-07

PRIOR APPLICATION NUMBER: US 08/433,993

PRIOR FILING DATE: 1995-05-04

PRIOR APPLICATION NUMBER: US 08/434,504

PRIOR FILING DATE: 1995-05-04

PRIOR APPLICATION NUMBER: US 09/436,430

PRIOR FILING DATE: 1999-11-08

NUMBER OF SEQ ID NOS: 6536

SOFTWARE: PatentIn version 3.0

SEQ ID NO 6527

LENGTH: 15

TYPE: RNA

ORGANISM: Hepatitis B virus

US-09-877-478-6527

Query Match

Best Local Similarity 9.5%; Score 11.8; DB 1; Length 15;

Mismatches 8; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1677 CCCTGGTGTCCTC 1691

Db 1 CCUUGUGUCCUC 15

RESULT 223

US-09-943-983-5

Sequence 5, Application US/09943983

Publication No. US20030077575A1

GENERAL INFORMATION:

APPLICANT: STUYVER, LIEVEN

LOUWAGIE, JOOST

ROSSAU, RUDI

TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED

MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE

NUMBER OF SEQUENCES: 164

CORRESPONDENCE ADDRESS:

ADDRESSEE: ARNOLD, WHITE & DURKEE

STREET: P.O. BOX 4433

CITY: HOUSTON

STATE: TEXAS

COUNTRY: USA

ZIP: 77210-4433

Query Match

Best Local Similarity 53.3%; Pred. No. 1.9e+02;

Mismatches 8; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
FILING DATE: 31-Aug-2001
PRIORITY APPLICATION NUMBER: US/09/943,983
PRIORITY APPLICATION DATA:
FILING DATE: 1997-09-15
APPLICATION NUMBER: 08/913,833
FILING DATE: 1997-09-15
APPLICATION NUMBER: EP 96870005.4
FILING DATE: 26 Jan 1996
APPLICATION NUMBER: EP 96870081.5
FILING DATE: 25 Jun 1996
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:008
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Query Match 8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.9e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1717 GTACGGAGATGGAGA 1731
||| |||||
Db 1 GTACAGAGATGGAAA 15

RESULT 224
US-10-342-902-6527
; Sequence 6527, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sina Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; PRIORITY FILING DATE: 2003-01-15
; PRIORITY FILING DATE: 2001-06-08
; PRIORITY FILING DATE: 2001-06-08
; PRIORITY FILING DATE: 2000-03-20
; PRIORITY FILING DATE: 2000-03-20
; PRIORITY FILING DATE: 2000-08-09
; PRIORITY FILING DATE: 2000-08-09
; PRIORITY FILING DATE: 2000-10-24
; PRIORITY FILING DATE: 2000-10-24
; PRIORITY FILING DATE: 1994-02-07
; PRIORITY FILING DATE: 1992-05-14
; PRIORITY FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6527
; LENGTH: 15
; TYPE: RNA

; ORGANISM: Hepatitis B virus
US-10-342-902-6527
Query Match 8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 1.9e+02;
Matches 8; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
QY 1677 CCTGGTGTCTCTC 1691
||:|:|:|:
Db 1 CCUUGUGUCUCCUC 15
RESULT 225
US-10-669-841-2580
; Sequence 2580, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sina Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; FILE REFERENCE: 400/042US (MBH02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIORITY FILING DATE: 2002-03-26
; PRIORITY FILING DATE: 2002-03-26
; PRIORITY FILING DATE: 2001-06-08
; PRIORITY FILING DATE: 2001-10-24
; PRIORITY FILING DATE: 2001-12-05
; PRIORITY FILING DATE: 2001-12-05
; PRIORITY FILING DATE: 2002-02-20
; PRIORITY FILING DATE: 2002-03-11
; PRIORITY FILING DATE: 2001-03-26
; PRIORITY FILING DATE: 2001-03-26
; PRIORITY FILING DATE: 2000-12-18
; PRIORITY FILING DATE: 2000-07-07
; PRIORITY FILING DATE: 2000-02-15
; PRIORITY FILING DATE: 2000-02-15
; REMAINING PRIOR APPLICATION DATA REMOVED - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2580
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-669-841-2580
Query Match 8.5%; Score 11.8; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 1.9e+02;
Matches 8; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
QY 1677 CCTGGTGTCTCTC 1691
||:|:|:|:
Db 1 CCUUGUGUCUCCUC 15
RESULT 226
US-09-866-108-525
; Sequence 525, Application US/09866108
; Patent No. US20020048800A1

```

;
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 526
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-866-108-526

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCAAGCA 1658
Db 2 AGCAGATGACAGCA 16

RESULT 228
US-09-866-108-2351/c
; Sequence 2351, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; FILE REFERENCE: AEOMICA-7

QY 1644 AGCAGAGGCAAGCA 1658
Db 3 AGCAGATGACAGCA 17

RESULT 227
US-09-866-108-526
; Sequence 526, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
```

```

; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 2351
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2351

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Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1632 GATGGGCTGTAGC 1646
Db 17 GATGGGCTGTAGC 3

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RESULT 229

```

US-09-866-108-2352/c
; Sequence 2352, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 2352
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2352

```

```

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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```

QY 1632 GATGGGCTGTAGC 1646
Db 16 GATGGGCTGTAGC 2

```

RESULT 230

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US-09-866-108-2353/c
; Sequence 2353, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21

```

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
||| |||||
Db 3 AGCCTCACAGCTGAA 17

RESULT 232
US-09-866-108-7830
; Sequence 7830, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOmica-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: AeoMica Sequence Listing Engine
; SEQ ID NO 7830
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7830

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
||| |||||
Db 2 AGCCTCACAGCTGAA 16

RESULT 233

PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: AeoMica Sequence Listing Engine
SEQ ID NO 2353
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-866-108-2353

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1632 GATGGGGCTGTGAGC 1646
||| |||||
Db 15 GATGGGGCTGTGAGC 1

RESULT 231
US-09-866-108-7829
; Sequence 7829, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOmica-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: AeoMica Sequence Listing Engine
; SEQ ID NO 7829
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7829

US-09-969-373-1602/c
 ; Sequence 1602, Application US/09969373
 ; Patent No. US20020133852A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Efftetz, Roger J.
 ; APPLICANT: Hauge, Brian M.
 ; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
 ; FILE REFERENCE: 38-10(52679)A
 ; CURRENT APPLICATION NUMBER: US/09/969,373
 ; CURRENT FILING DATE: 2001-10-02
 ; PRIOR APPLICATION NUMBER: US 09/754,853
 ; PRIOR FILING DATE: 2001-01-05
 ; PRIOR APPLICATION NUMBER: US 09/760,427
 ; PRIOR FILING DATE: 2001-01-13
 ; PRIOR APPLICATION NUMBER: US 09/855,768
 ; PRIOR FILING DATE: 2001-05-15
 ; NUMBER OF SEQ ID NOS: 4593
 ; SEQ ID NO 1602
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Glycine max
 US-09-969-373-1602

Query Match 8.5%; Score 11.8; DB 1; Length 17;
 Best Local Similarity 86.7%; Pred. No. 2.5e+02;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1691 CCAGCGTGGTGAAG 1705
 Db 17 CGAGAGTGGTGAAG 3

RESULT 234
 US-09-864-785-1556
 ; Sequence 1556, Application US/09864785
 ; Patent No. US20020177568A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Draper, Ken
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
 ; FILE REFERENCE: Levels of NF-Kappa B
 ; FILE REFERENCE: 400/022 (MBH00-812-B)
 ; CURRENT APPLICATION NUMBER: US/09/864,785
 ; CURRENT FILING DATE: 2001-05-23
 ; NUMBER OF SEQ ID NOS: 3929
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 1556
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
 US-09-864-785-1556

Query Match 8.5%; Score 11.8; DB 1; Length 17;
 Best Local Similarity 53.3%; Pred. No. 2.5e+02;
 Matches 8; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
 QY 1676 ACCCTGGTGTCTCCCT 1690
 Db 3 ACCAUGGUGUUUCCU 17

RESULT 235
 US-09-825-805-403/c
 ; Sequence 403, Application US/09825805
 ; Publication No. US20030004122A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Beigelman, Leo
 ; APPLICANT: Beaudry, Amber

; APPLICANT: Karpeisky, Alex
 ; APPLICANT: Adamic, Jasenka Matulic
 ; APPLICANT: Sweedler, Dave
 ; APPLICANT: Zinnen, Shawn
 ; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
 ; FILE REFERENCE: MBH00-831-F (400/009)
 ; CURRENT APPLICATION NUMBER: US/09/825,805
 ; CURRENT FILING DATE: 2001-09-27
 ; PRIOR APPLICATION NUMBER: 09/578,223
 ; PRIOR FILING DATE: 2000-05-23
 ; PRIOR APPLICATION NUMBER: 09/476,387
 ; PRIOR FILING DATE: 1999-12-30
 ; PRIOR APPLICATION NUMBER: 09/474,432
 ; PRIOR FILING DATE: 1999-12-29
 ; PRIOR APPLICATION NUMBER: 09/301,511
 ; PRIOR FILING DATE: 1999-04-28
 ; PRIOR APPLICATION NUMBER: 09/186,675
 ; PRIOR FILING DATE: 1998-11-04
 ; PRIOR APPLICATION NUMBER: 60/083,727
 ; PRIOR FILING DATE: 1998-04-29
 ; PRIOR APPLICATION NUMBER: 60/064,866
 ; PRIOR FILING DATE: 1997-11-05
 ; NUMBER OF SEQ ID NOS: 1558
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 403
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-09-825-805-403

Query Match 8.5%; Score 11.8; DB 1; Length 17;
 Best Local Similarity 86.7%; Pred. No. 2.5e+02;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1660 CAGGCTCACAGCTGG 1674
 Db 15 CGGGCGCACAGCTGG 1

RESULT 236
 US-09-825-805-503/c
 ; Sequence 503, Application US/09825805
 ; Publication No. US20030004122A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Beigelman, Leo
 ; APPLICANT: Beaudry, Amber
 ; APPLICANT: Karpeisky, Alex
 ; APPLICANT: Adamic, Jasenka Matulic
 ; APPLICANT: Sweedler, Dave
 ; APPLICANT: Zinnen, Shawn
 ; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
 ; FILE REFERENCE: MBH00-831-F (400/009)
 ; CURRENT APPLICATION NUMBER: US/09/825,805
 ; CURRENT FILING DATE: 2001-09-27
 ; PRIOR APPLICATION NUMBER: 09/578,223
 ; PRIOR FILING DATE: 2000-05-23
 ; PRIOR APPLICATION NUMBER: 09/476,387
 ; PRIOR FILING DATE: 1999-12-30
 ; PRIOR APPLICATION NUMBER: 09/474,432
 ; PRIOR FILING DATE: 1999-12-29
 ; PRIOR APPLICATION NUMBER: 09/301,511
 ; PRIOR FILING DATE: 1999-04-28
 ; PRIOR APPLICATION NUMBER: 09/186,675
 ; PRIOR FILING DATE: 1998-11-04
 ; PRIOR APPLICATION NUMBER: 60/083,727
 ; PRIOR FILING DATE: 1998-04-29
 ; PRIOR APPLICATION NUMBER: 60/064,866
 ; PRIOR FILING DATE: 1997-11-05
 ; NUMBER OF SEQ ID NOS: 1558
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 503
 ; LENGTH: 17

```

; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-825-805-503

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGG 1674
    ||| |||||
Db 17 CAGTCACACAGCTGG 3

RESULT 237
US-09-825-805-504/c
; Sequence 504, Application US/09825805
; Publication No. US20030004122A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
; FILE REFERENCE: MBHB00-831-F (400/009)
; CURRENT APPLICATION NUMBER: US/09/825,805
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 09/578,223
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 09/476,387
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; NUMBER OF SEQ ID NOS: 1558
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 504
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-825-805-504

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGG 1674
    ||| |||||
Db 15 CAGTCACACAGCTGG 1

RESULT 238
US-09-825-805-512/c
; Sequence 512, Application US/09825805
; Publication No. US20030004122A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
```

```

; FILE REFERENCE: MBHB00-831-F (400/009)
; CURRENT APPLICATION NUMBER: US/09/825,805
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 09/578,223
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 09/476,387
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; NUMBER OF SEQ ID NOS: 1558
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 512
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-825-805-512

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGG 1674
    ||| |||||
Db 17 CGGGCGCACAGCTGG 3

RESULT 239
US-09-825-805-548
; Sequence 548, Application US/09825805
; Publication No. US20030004122A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
; FILE REFERENCE: MBHB00-831-F (400/009)
; CURRENT APPLICATION NUMBER: US/09/825,805
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 09/578,223
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 09/476,387
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; NUMBER OF SEQ ID NOS: 1558
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 548
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-825-805-548

Query Match      8.5%; Score 11.8; DB 1; Length 17;
```



```
Best Local Similarity 53.3%; Pred. No. 2.5e+02;
Matches 8; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1677 CCTGGGTCTCTCC 1691
DB 2 CCCUGAUGGUCCUC 16

RESULT 240
US-09-730-289B-80/c
; Sequence 80, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MH000-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR FILING DATE: 2000-12-05
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 80
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-80

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1636 GGCCTTGACGAGAA 1650
DB 16 GAGGTTGTACGAGAA 2

RESULT 241
US-09-818-875-403
; Sequence 403, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-06-01
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 403
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-403

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGAAGTTGG 1709
```

```
DB 1 CGTGGATGAAGTTGG 15

RESULT 242
US-09-818-875-404/c
; Sequence 404, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-06-01
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 404
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-404

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGAAGTTGG 1709
DB 17 CGTGGATGAAGTTGG 3

RESULT 243
US-09-818-875-407
; Sequence 407, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-06-01
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 407
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-407

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
```

Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGAAGTTGG 1709
||||| |||||
Db 2 CGTGGTGAAGTTGG 16

RESULT 244

US-09-818-875-408/c
; Sequence 408, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 408
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-408

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGAAGTTGG 1709
||||| |||||
Db 16 CGTGGTGAAGTTGG 2

RESULT 245

US-09-818-875-3958
; Sequence 3958, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3958
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-3958

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
||||| |||||
Db 2 AGGCTCACAGCTGGA 16

RESULT 246

US-09-818-875-3959/c
; Sequence 3959, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3959
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-3959

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
||||| |||||
Db 16 AGGCTCACAGCTGGA 2

RESULT 247

US-09-877-478-993
; Sequence 993, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Lave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993

;
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 993
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-993

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 60.0%; Pred. No. 2.5e+02;
Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1672 TGGAACTCGTGTG 1686
:|||||:|:|
Db 3 UGGAACCUUGUGUC 17

RESULT 248
US-09-848-754A-338
; Sequence 338, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 338
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-338

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 60.0%; Pred. No. 2.5e+02;
Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1685 TCTCTCCAGCGTG 1699
:|||||:|:|
Db 3 UCUCUCCAUCCUGG 17

RESULT 249
US-09-848-754A-1499
; Sequence 1499, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1499
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1499

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 60.0%; Pred. No. 2.5e+02;
Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1685 TCTCTCCAGCGTG 1699
:|||||:|:|
Db 2 UCUCUCCAUCCUGG 16

RESULT 250
US-09-848-754A-1639
; Sequence 1639, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1639
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1639

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1755 CTAAGGCCCACTGG 1769
:|||||:|:|
Db 1 CAAAAGGCCCGUGG 15

RESULT 251
US-09-848-754A-3578
; Sequence 3578, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3578
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3578

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 80.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1754 CTAAGGCCCACTG 1768
:|||||:|:|
Db 3 CCAAAAGGCCCGUG 17

RESULT 252
US-09-930-423-18/c
; Sequence 18, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00, 918-A, 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15

```

; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
; US-09-930-423-18

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTGG 1735
Db 16 GGAGAGGGAGCTTGG 2

RESULT 253
US-09-930-423-404/c
; Sequence 404, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MSHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 404
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
; US-09-930-423-404

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTGG 1735
Db 17 GGAGAGGGAGCTTGG 3

RESULT 254
US-09-930-423-405/c
; Sequence 405, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MSHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 405
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
; US-09-930-423-405

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTGG 1735
Db 15 GGAGAGGGAGCTTGG 1
```

```

RESULT 255
US-09-740-332-1449
; Sequence 1449, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1449
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
; US-09-740-332-1449

Query Match      3.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 65.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1631 GGATGGGGCTTGTAG 1645
Db 2 GGAAGGUGCUUGUAG 16

RESULT 256
US-09-740-332-3106/c
; Sequence 3106, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3106
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
; US-09-740-332-3106

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1631 GGATGGGGCTTGTAG 1645
Db 17 GGAAGGCTTGTAG 3

RESULT 257
US-09-740-332-3107/c
; Sequence 3107, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
```

; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3107
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3107

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1631 GGATGGGCTTGTAG 1645
Db 15 GGAAGTGTCTTGG 1

RESULT 258
US-09-745-237A-18/c
; Sequence 18, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-18

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTGG 1735
Db 16 GGAGAGGGAGCTTGG 2

RESULT 259
US-09-745-237A-404/c
; Sequence 404, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 404
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-404

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTGG 1735
Db 17 GGAGAGGGAGCTTGG 3

RESULT 260
US-09-745-237A-405/c
; Sequence 405, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 405
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-405

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTGG 1735
Db 15 GGAGAGGGAGCTTGG 1

RESULT 261
US-09-817-879-1449
; Sequence 1449, Application US/09817879
; Publication No. US2003017131A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1449
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-1449

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1631 GGATGGGCTTGTAG 1645
Db 2 GGAAGGCGUGUAG 16

RESULT 262
US-09-817-879-3106/c

```
; Sequence 3106, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MEHB00-801-F
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3106
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3106

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1631 GGATGGGCTTGTAG 1645
Db      17  GGAAGGTGCTTGTAG 3

RESULT 263
US-09-817-879-3107/c
; Sequence 3107, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MEHB00-801-F
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3107
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3107

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1631 GGATGGGCTTGTAG 1645
Db      15  GGAAGGTGCTTGTAG 1

RESULT 264
US-10-342-902-993
; Sequence 993, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
```

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; FILE REFERENCE: 400/075 (MEHB00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 993
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-993

Query Match      3.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 60.0%; Pred. No. 2.5e+02;
Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy      1672 TGGAAACCTCGTGTC 1686
Db      3  UGGAACCUUUGUGC 17

RESULT 265
US-10-060-756A-211
; Sequence 211, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PH0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 211
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-211

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1646 CAGAAGGCAAGCACC 1660
```

```
Db      3 CGGAAGGCAAGCAGC 17
      | ||||| ||||| |
RESULT 266
US-10-060-756A-212
; Sequence 212, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 212
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-212

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1646 CAGAAGGCAAGCAGC 1660
Db      2 CGGAAGGCAAGCAGC 16
      | ||||| ||||| |
RESULT 267
US-10-060-756A-213
; Sequence 213, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
```

```
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 213
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-213

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1646 CAGAAGGCAAGCAGC 1660
Db      1 CGGAAGGCAAGCAGC 15
      | ||||| ||||| |
RESULT 268
US-10-060-756A-753
; Sequence 753, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 753
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-753

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1664 CTCACAGCTGGAGCC 1678
Db      2 CTCACGTCTGGAGCC 16
      | ||||| ||||| |
RESULT 269
US-10-060-756A-754
; Sequence 754, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
```

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 754
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-754

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1664 CTCACAGTGGAAAC 1678
|||||
Db 1 CTCACAGTGGAAAC 15

RESULT 270
US-10-163-552-248/c
; Sequence 248, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: MHB01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 248
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-248

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1660 CAGGCTCACAGCTGG 1674
|||||
Db 17 CAGTACACAGCTGG 3

RESULT 271
US-10-163-552-249/c
; Sequence 249, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: MHB01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 249
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-249

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1660 CAGGCTCACAGCTGG 1674
|||||
Db 15 CAGTACACAGCTGG 1

RESULT 272
US-10-163-552-403/c
; Sequence 403, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: MHB01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 403
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-403

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1660 CAGGCTCACAGCTGG 1674
|||||
Db 17 CGGGCGCACAGCTGG 3

RESULT 273
US-10-163-552-404/c
; Sequence 404, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: MHB01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1597
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 404
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-404

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1660 CAGGCTCACAGCTGG 1674
|||||
Db 15 CGGGCGCACAGCTGG 1


```
RESULT 274
US-10-163-552-904
; Sequence 904, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; TITLE OF INVENTION: HER2
; FILE REFERENCE: MEH01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1937
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 904
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-904

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 53.3%; Pred. No. 2.5e+02;
Matches 8; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1677 CCTGTGTCTCTCCTC 1691
|||||:|:|:|:|
Db 2 CCUGAUGUGUCCUC 16

RESULT 275
US-10-139-604-6
; Sequence 6, Application US/10139604
; Publication No. US20030124551A1
; GENERAL INFORMATION:
; APPLICANT: METRIS THERAPEUTICS LIMITED
; APPLICANT: LLENICEK, Mirna
; APPLICANT: PAPP, Helen
; TITLE OF INVENTION: AGENTS IMPLICATED IN ENDOMETRIOSIS
; FILE REFERENCE: 1396-1-006
; CURRENT APPLICATION NUMBER: US/10/139,604
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: GB 9926081.2
; PRIOR FILING DATE: 1999-11-03
; PRIOR APPLICATION NUMBER: GB 9926074.7
; PRIOR FILING DATE: 1999-11-03
; PRIOR APPLICATION NUMBER: GB 9926079.6
; PRIOR FILING DATE: 1999-11-03
; PRIOR APPLICATION NUMBER: GB 9926076.2
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: SeqWin99, version 1.02
; SEQ ID NO 6
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 5' RT-PCR primer for Ferritin L chain
US-10-139-604-6

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1648 GAAGGTCAGCACCAG 1662
|||||:|:|:|:|
Db 3 GAAGGCTGCACCAG 17

RESULT 276
US-10-061-201-1607
; Sequence 1607, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
```

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; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1607
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1607

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1673 GGAACCCCTGGTGCT 1687
|||||:|:|:|:|
Db 2 GGAGCCCTGGTGCTCT 16

RESULT 277
US-10-061-201-1760/c
; Sequence 1760, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
```

```
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1760
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1760

Query Match
Best Local Similarity 8.5%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1751 TATCCTAAAGGCCCA 1765
Db 17 TGTCTAAAGTCCCA 3

RESULT 278
US-10-061-201-1761/c
; Sequence 1761, Application US/10061201
; Publication No. US20030166223A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1761
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1761

Query Match
Best Local Similarity 8.5%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1751 TATCCTAAAGGCCCA 1765
Db 16 TGTCTAAAGTCCCA 2

RESULT 279
US-10-209-787-403
; Sequence 403, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamber, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
```

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; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 407
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-407

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGAAGTTGG 1709
Db 2 CGTGGATGAAGTTGG 16

RESULT 282
US-10-209-787-408/c
; Sequence 408, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 408
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-408

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGAAGTTGG 1709
Db 2 CGTGGATGAAGTTGG 16

RESULT 283
US-10-209-787-3958
; Sequence 3958, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3958
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-3958

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
Db 2 AGGCTCCAGCTGGA 16

RESULT 284
US-10-209-787-3959/c
; Sequence 3959, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3959
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-3959
```

```

Db 16 CGTGGATGAAGTTGG 2

RESULT 283
US-10-209-787-3958
; Sequence 3958, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3958
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-3958

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
Db 2 AGGCTCCAGCTGGA 16

RESULT 284
US-10-209-787-3959/c
; Sequence 3959, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3959
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-3959
```

US-10-209-787-3959

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGTGG 1675
||||| |||||||
Db 16 AGGCTCCAGCTGGA 2

RESULT 285

US-10-261-185-403
; Sequence 403, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 403
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-403

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGAAGTTGG 1709
||||| |||||||
Db 1 CGTGGATGAAGTTGG 15

RESULT 286

US-10-261-185-404/c
; Sequence 404, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989

; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 404
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-404

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGAAGTTGG 1709
||||| |||||||
Db 17 CGTGGATGAAGTTGG 3

RESULT 287

US-10-261-185-407
; Sequence 407, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 407
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-407

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGAAGTTGG 1709
||||| |||||||
Db 2 CGTGGATGAAGTTGG 16

RESULT 288

US-10-261-185-408/c
; Sequence 408, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric E.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27

; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 408
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-408

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1695 CGTGGTGGAGTTGG 1709
||||| |||||||
Db 16 CGTGGATGAAGTTGG 2

RESULT 289
US-10-261-185-3958
; Sequence 3958, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3958
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-3958

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
||||| |||||||
Db 2 AGGCTCCAGCTGGA 16

RESULT 290
US-10-261-185-3959/c
; Sequence 3959, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.

; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3959
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-3959

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
||||| |||||||
Db 16 AGGCTCCAGCTGGA 2

RESULT 291
US-10-138-674-421
; Sequence 421, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH900-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 421
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-421

Query Match 8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1745 CCTCCCTATCCTAAA 1759
|||:|:|:|:|:|:|
Db 3 CCUCCUUUCCGAAA 17

RESULT 292
US-10-138-674-422
; Sequence 422, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan

```

; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 422
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-10-138-674-422

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1745 CTCCCTATCCTTAA 1759
Db 2 CCUCUUAUCCGAAA 16
||:||:|:|||||

RESULT 293
US-10-287-949A-421
; Sequence 421, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 421
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-10-287-949A-421

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1745 CTCCCTATCCTTAA 1759
Db 3 CCUCUUAUCCGAAA 17
||:||:|:|||||

RESULT 294
US-10-287-949A-422
; Sequence 422, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 422
; US-10-138-674-422

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1745 CTCCCTATCCTTAA 1759
Db 3 CCUCUUAUCCGAAA 17
||:||:|:|||||

RESULT 294
US-10-669-841-993
; Sequence 993, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
; FILE REFERENCE: 400/042US (MBHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08

```

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; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-10-287-949A-422

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1745 CTCCCTATCCTTAA 1759
Db 2 CCUCUUAUCCGAAA 16
||:||:|:|||||

RESULT 295
US-10-712-672-2730
; Sequence 2730, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2730
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-10-712-672-2730

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1734 GGCTCCGAACTCCTC 1748
Db 2 GGCUUCCAAUCUCCCC 16
||:||:|:|||||

RESULT 296
US-10-669-841-993
; Sequence 993, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
; FILE REFERENCE: 400/042US (MBHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08

```

```
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 993
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
; US-10-669-841-993
```

```
Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 60.0%; Pred. No. 2.5e+02;
Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1672 TGAACCCCTGCTGC 1686
      :|||||:|:|:|
Db 3 UGGAACCUUGUGUC 17
```

```
RESULT 297
US-10-669-841-4042
; Sequence 4042, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; FILE REFERENCE: 400/042US (MBHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
```

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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4042
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
; US-10-669-841-4042
```

```
Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1631 GGATGGGGCTTGTA 1645
      |||||:|:|:|
Db 2 GGAAGGUGCUUGUAG 16
```

```
RESULT 298
US-10-669-841-5699/c
; Sequence 5699, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
; FILE REFERENCE: 400/042US (MBHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5699
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
```

```
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-5699

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1631 GGATGGGCTGTAG 1645
Db      17  GGAAGGTGCTGTAG 3

RESULT 299
US-10-669-841-5700/c
; Sequence 5700, Application US/10669841
; Publication No. US2004012746A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS C VIRUS
; FILE REFERENCE: 400/042US (WBH02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5700
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-5700

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1631 GGATGGGCTGTAG 1645
```

```
Db      15  GGAAGGTGCTGTAG 1

RESULT 300
US-10-723-361-525
; Sequence 525, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AND SKELETAL MUSCLE
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Asomica Sequence Listing Engine
; SEQ ID NO 525
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-525

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1644 AGCAGAGGCAAGCA 1658
Db      3  AGCAGATGACAAGCA 17

RESULT 301
US-10-723-361-526
; Sequence 526, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AND SKELETAL MUSCLE
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
```



```
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 526
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-526
```

```
Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred.No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      1644 AGCAGAAGCAAGCA 1658
      ||||| |||||
Db      2 AGCAGATGACAAGCA 16
```

RESULT 302

```
US-10-723-361-2351/c
; Sequence 2351, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
```

```
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2351
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2351
```

```
Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred.No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      1632 GATGGGCTTGTAGC 1646
      ||||| |||||
Db      17 GATCGGCGCTGTAGC 3
```

RESULT 303

```
US-10-723-361-2352/c
; Sequence 2352, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2352
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2352
```

```
Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred.No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      1632 GATGGGCTTGTAGC 1646
      ||||| |||||
Db      16 GATCGGCGCTGTAGC 2
```

```
RESULT 304
US-10-723-361-2353/c
; Sequence 2353, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 2353
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2353

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1632 GATGGGCTGTAGC 1646
Db 15 GATGGGCTGTAGC 1

RESULT 305
US-10-723-361-7829
; Sequence 7829, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 2353
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2353

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1632 GATGGGCTGTAGC 1646
Db 15 GATGGGCTGTAGC 1

RESULT 306
US-10-723-361-7830
; Sequence 7830, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 2353
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7829
```

```
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7829
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7829
```

```
Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1661 AGGCTCACAGCTGGA 1675
Db 3 AGCTCACAGCTGAA 17
```

```
RESULT 306
US-10-723-361-7830
; Sequence 7830, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
```

```
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7830
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7830

Query Match      8.5%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGGA 1675
Db 2 AGCCTCACAGCTGAA 16

RESULT 307
US-09-863-777-3
; Sequence 3, Application US/09863777
; Patent No. US20020019359A1
; GENERAL INFORMATION:
; APPLICANT: Felt, James W.
; APPLICANT: Olson, Karen A.
; TITLE OF INVENTION: Antisense Inhibition of Angiogenin Expression
; FILE REFERENCE: 10498/05286
; CURRENT APPLICATION NUMBER: US/09/863,777
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/041182
; PRIOR FILING DATE: 1997-03-21
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence;
; OTHER INFORMATION: phosphorothioate oligodeoxynucleotide
US-09-863-777-3

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATTGGC 1736
Db 4 GAGATGGTGTGATGGC 18

RESULT 308
US-09-863-777-4/c
; Sequence 4, Application US/09863777
; Patent No. US20020019359A1
; GENERAL INFORMATION:
; APPLICANT: Felt, James W.
; APPLICANT: Olson, Karen A.
; TITLE OF INVENTION: Antisense Inhibition of Angiogenin Expression
; FILE REFERENCE: 10498/05286
; CURRENT APPLICATION NUMBER: US/09/863,777
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/041182
; PRIOR FILING DATE: 1997-03-21
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence;
; OTHER INFORMATION: phosphorothioate oligodeoxynucleotide
US-09-863-777-4
```

```
Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATTGGC 1736
Db 15 GAGATGGTGTGATGGC 1

RESULT 309
US-09-969-373-1855
; Sequence 1855, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
; APPLICANT: Effertz, Roger J.
; APPLICANT: Hauge, Brian M.
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
; FILE REFERENCE: 38-10(52679)A
; CURRENT APPLICATION NUMBER: US/09/969,373
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 09/754,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: US 09/760,427
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: US 09/855,768
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 1855
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-1855

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1679 CTGGTGTCCTCTCCA 1693
Db 3 CTGATGTTCTCTCCA 17

RESULT 310
US-09-969-373-2246
; Sequence 2246, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
; APPLICANT: Effertz, Roger J.
; APPLICANT: Hauge, Brian M.
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
; FILE REFERENCE: 38-10(52679)A
; CURRENT APPLICATION NUMBER: US/09/969,373
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 09/754,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: US 09/760,427
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: US 09/855,768
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 2246
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-2246

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1709 GGTAGGACTACGGA 1723
Db 17 GGTAGGACTACGGA 1723
```

```
Db      1  GGTGAGGATATGGA 15

RESULT 311
US-09-306-333A-114
; Sequence 114, Application US/09306333A
; Publication No. US20030152918A1
; GENERAL INFORMATION:
; APPLICANT: Academy of Applied Science
; TITLE OF INVENTION: BRCAL and hMLH1 Gene Primer Sequences and Method for
; FILE REFERENCE: BRCAL
; CURRENT APPLICATION NUMBER: US/09/306,333A
; CURRENT FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: PCT/IB00/01607
; PRIOR FILING DATE: 2000-11-06
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 114
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-306-333A-114

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1671  CTGGAACCTCGTGT 1685
Db      1  CTGGAACCTCGGCT 15

RESULT 312
US-09-362-485-19/c
; Sequence 19, Application US/09362485
; Publication No. US20030162171A1
; GENERAL INFORMATION:
; APPLICANT: Floh, Leopold
; APPLICANT: Singh, Mahavir
; APPLICANT: Hutter, Bernd
; APPLICANT: Kolk, Arend
; TITLE OF INVENTION: Test-Kit For Tuberculosis Diagnosis etc.
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 233 South Wacker Drive/6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/362,485
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/EP98/00483
; FILING DATE: 29-JAN-1998
; PRIOR APPLICATION NUMBER: EP 97101338.8
; FILING DATE: 29-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, James P.
; REGISTRATION NUMBER: 28,491
; REFERENCE/DOCKET NUMBER: 29473/35834
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448

; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-362-485-19

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1688  CCTCAGCGTGTGG 1702
Db      17  CCGCAGCGTGTGG 3

RESULT 313
US-10-054-387-10
; Sequence 10, Application US/10054387
; Publication No. US20030054365A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Minzhen
; APPLICANT: Qiu, Gang
; APPLICANT: Humphreys, Robert
; TITLE OF INVENTION: CANCER CELL VACCINE
; FILE REFERENCE: U.S. Application 09/205,995, (CIP)
; CURRENT APPLICATION NUMBER: US/10/054,387
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 09/036,746
; PRIOR FILING DATE: 1998-03-09
; PRIOR APPLICATION NUMBER: 08/661,627
; PRIOR FILING DATE: 1996-06-11
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 10
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: antisense
; OTHER INFORMATION: oligonucleotide corresponding to a specific region
; OTHER INFORMATION: of the mouse Ii gene.
US-10-054-387-10

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1656  GCACAGGCTACAG 1670
Db      3  GCATCTGGCTACAG 17

RESULT 314
US-10-133-779-20
; Sequence 20, Application US/10133779
; Publication No. US20030165884A1
; GENERAL INFORMATION:
; APPLICANT: Chow, Robert
; APPLICANT: Tonai, Richard
; APPLICANT: StemCite, Inc.
; TITLE OF INVENTION: High Throughput Methods of HLA Typing
; FILE REFERENCE: 020035-000210US
; CURRENT APPLICATION NUMBER: US/10/133,779
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US/09/747,391
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/172,768
; PRIOR FILING DATE: 1999-12-20
```

```
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 20
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-133-779-20

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1653 CAAGCCAGGCTCA 1667
Db 2 CAAGGCCAGGCACA 16

RESULT 315
US-10-114-824A-52
; Sequence 52, Application US/10114824A
; Publication No. US20030196215A1
; GENERAL INFORMATION:
; APPLICANT: JOSELYNE OLIVIER
; TITLE OF INVENTION: No. US20030196215A1 Class of Proteins and Uses Thereof for Plan
; FILE REFERENCE: CHEP:006US
; CURRENT APPLICATION NUMBER: US/10/114,824A
; CURRENT FILING DATE: 2002-08-16
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-114-824A-52

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1741 AACTCTCCTCATTC 1755
Db 1 AACTCTCCTCATGTCC 15

RESULT 316
US-10-297-068-30/c
; Sequence 30, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 1314OP1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: capture
US-10-297-068-30

Query Match      8.5%; Score 11.8; DB 1; Length 18;
```

```
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1650 AGCAAGCACCAGGC 1664
Db 18 AGGCAACACCAGAC 4

RESULT 317
US-10-277-216-163/c
; Sequence 163, Application US/10277216
; Publication No. US20040002470A1
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
; FILE REFERENCE: 2976-4051
; CURRENT APPLICATION NUMBER: US/10/277,216
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 10/126,022
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/834,597
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: 09/548,797
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 163
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-277-216-163

Query Match      8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1649 AAGGCAAGCACCAGG 1663
Db 17 ATGGGAGCACCAGG 3

RESULT 318
US-10-349-143-6052/c
; Sequence 6052, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6052
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-8626 for SEQ 2118,
```

US-10-349-143-6052	
Query Match	8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity	86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative	0; Mismatches 2; Indels 0; Gaps 0;
QY 1721 GGAGATGGAGATTGG 1735	
Db 18 GAAGTTGGAGATTGG 4	
RESULT 319	
US-10-126-022-163/c	
; Sequence 163, Application US/10126022	
; Publication No. US20040023215A1	
; GENERAL INFORMATION:	
; APPLICANT: KEITH, TIM	
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,	
; TITLE OF INVENTION: OBESITY, AND INFLAMMATORY BOWEL DISEASE	
; FILE REFERENCE: 2976-4039US2	
; CURRENT APPLICATION NUMBER: US/10/126,022	
; CURRENT FILING DATE: 2002-04-19	
; PRIOR APPLICATION NUMBER: 09/834,597	
; PRIOR FILING DATE: 2001-04-13	
; PRIOR APPLICATION NUMBER: 09/548,797	
; PRIOR FILING DATE: 2000-04-13	
; NUMBER OF SEQ ID NOS: 420	
; SOFTWARE: PatentIn Ver. 2.1	
; SEQ ID NO 163	
; LENGTH: 18	
; TYPE: DNA	
; ORGANISM: Artificial Sequence	
; FEATURE:	
; OTHER INFORMATION: Description of Artificial Sequence: Primer	
US-10-126-022-163	
Query Match	8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity	86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative	0; Mismatches 2; Indels 0; Gaps 0;
QY 1649 AAGGCAAGCACCAGG 1663	
Db 17 ATGGGAAGCACCAGG 3	
RESULT 320	
US-10-670-184-106/c	
; Sequence 106, Application US/10670184	
; Publication No. US20040077011A1	
; GENERAL INFORMATION:	
; APPLICANT: KEITH, TIM	
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES AND	
; TITLE OF INVENTION: OBESITY	
; FILE REFERENCE: 2976-4039	
; CURRENT APPLICATION NUMBER: US/10/670,184	
; CURRENT FILING DATE: 2003-09-24	
; PRIOR APPLICATION NUMBER: 60/129,391	
; PRIOR FILING DATE: 1999-04-13	
; NUMBER OF SEQ ID NOS: 170	
; SOFTWARE: PatentIn Ver. 2.1	
; SEQ ID NO 106	
; LENGTH: 18	
; TYPE: DNA	
; ORGANISM: Artificial Sequence	
; FEATURE:	
; OTHER INFORMATION: Description of Artificial Sequence: Primer	
US-10-670-184-106	
Query Match	8.5%; Score 11.8; DB 1; Length 18;
Best Local Similarity	86.7%; Pred. No. 2.8e+02;
Matches 13; Conservative	0; Mismatches 2; Indels 0; Gaps 0;
QY 1649 AAGGCAAGCACCAGG 1663	

Db 17 ATGGGAAGCACCAGG 3	
RESULT 321	
US-10-243-035-7/c	
; Sequence 7, Application US/10243035	
; Publication No. US20030049697A1	
; GENERAL INFORMATION:	
; APPLICANT: LAZDUNSKI, MICHEL	
; APPLICANT: LESAGE, FLORIAN	
; APPLICANT: MAINGRET, FRANCOIS	
; TITLE OF INVENTION: NEW FAMILY OF MECHANOSENSITIVE HUMAN POTASSIUM CHANNELS	
; TITLE OF INVENTION: ACTIVATED BY POLYUNSATURATED FATTY ACIDS AND THEIR USE	
; FILE REFERENCE: 1317-02	
; CURRENT APPLICATION NUMBER: US/10/243,035	
; CURRENT FILING DATE: 2002-09-13	
; NUMBER OF SEQ ID NOS: 15	
; SOFTWARE: PatentIn Ver. 2.1	
; SEQ ID NO 7	
; LENGTH: 20	
; TYPE: DNA	
; ORGANISM: Artificial Sequence	
; FEATURE:	
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
; OTHER INFORMATION: oligonucleotide	
US-10-243-035-7	
Query Match	9.5%; Score 11.8; DB 1; Length 20;
Best Local Similarity	85.7%; Pred. No. 3.4e+02;
Matches 13; Conservative	0; Mismatches 2; Indels 0; Gaps 0;
QY 1668 CAGCTGGACCTCG 1682	
Db 15 CAGCTGGACCTCG 1	
RESULT 322	
US-09-510-378-27/c	
; Sequence 27, Application US/09510378	
; Publication No. US20030165823A1	
; GENERAL INFORMATION:	
; APPLICANT: Cronin, Maureen T.	
; Miyada, Charles Garrett	
; Hubbell, Earl A.	
; Chee, Mark	
; Fodor, Stephen P.A.	
; Huang, Xiaohua C.	
; Lipshutz, Robert J.	
; Lobban, Peter B.	
; Morris, Macdonald S.	
; Sheldon, Edward L.	
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes for	
; Detecting Cystic Fibrosis	
NUMBER OF SEQUENCES: 250	
CORRESPONDENCE ADDRESS:	
ADDRESSEE: Townsend and Townsend and Crew LLP	
STREET: Two Embarcadero Center, 8th Floor	
CITY: San Francisco	
STATE: California	
COUNTRY: USA	
ZIP: 94111	
COMPUTER READABLE FORM:	
MEDIUM TYPE: Floppy disk	
COMPUTER: IBM PC compatible	
OPERATING SYSTEM: PC-DOS/MS-DOS	
SOFTWARE: PatentIn Release #1.0, Version #1.25	
CURRENT APPLICATION DATA:	
APPLICATION NUMBER: US/09/510,378	
FILING DATE: 22-Feb-2000	
CLASSIFICATION: <Unknown>	
PRIOR APPLICATION DATA:	
APPLICATION NUMBER: 08/544,381	

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;
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/510,521
; FILING DATE: 02-AUG-1995
; APPLICATION NUMBER: PCT/US94/12305
; FILING DATE: 26-OCT-1994
; APPLICATION NUMBER: US 08/284,064
; FILING DATE: 02-AUG-1994
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joe
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-004130US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (oligonucleotide)
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-510-378-27
Query Match      8.2%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1649 AAGGCAAGCACCA 1661
      | | | | | | | | | |
Db      13 AAGGCAAGCACCA 1

RESULT 323
US-09-798-260-85/c
; Sequence 85, Application US/09798260
; Publication No. US20030165830A1
; GENERAL INFORMATION:
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Miyada, Charles G.
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Ches, Mark
; APPLICANT: Fodor, Stephen P. A.
; APPLICANT: Huang, Xiaohua C.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, MacDonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: ARRAYS OF NUCLEIC ACID PROBES FOR ANALYZING
; TITLE OF INVENTION: BIOTRANSFORMATION GENES
; FILE REFERENCE: 018547-015720US
; CURRENT APPLICATION NUMBER: US/09/798,260
; CURRENT FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: US 08/778,794
; PRIOR FILING DATE: 1997-01-03
; PRIOR APPLICATION NUMBER: US 08/544,381
; PRIOR FILING DATE: 1995-10-10
; PRIOR APPLICATION NUMBER: US 08/510,521
; PRIOR FILING DATE: 1995-08-02
; PRIOR APPLICATION NUMBER: WO PCT/US94/12305
; PRIOR FILING DATE: 1994-10-26
; PRIOR APPLICATION NUMBER: US 08/284,064
; PRIOR FILING DATE: 1994-08-02
; PRIOR APPLICATION NUMBER: US 08/143,312
; PRIOR FILING DATE: 1993-10-26
; NUMBER OF SEQ ID NOS: 156
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 85
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
;
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Probe
US-09-798-260-85
Query Match      8.2%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1649 AAGGCAAGCACCA 1661
      | | | | | | | | | |
Db      13 AAGGCAAGCACCA 1

RESULT 324
US-09-943-983-9
; Sequence 9, Application US/09943983
; Publication No. US20030077575A1
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
      LOUWAGIE, JOOST
      ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
      MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
      ADDRESSEE: ARNOLD, WHITE & DURKEE
      STREET: P.O. BOX 4433
      CITY: HOUSTON
      STATE: TEXAS
      COUNTRY: USA
      ZIP: 77210-4433
; COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION NUMBER: US/09/943,983
      FILING DATE: 31-Aug-2001
; PRIOR APPLICATION DATA:
      APPLICATION NUMBER: 08/913,833
      FILING DATE: 1997-09-15
      APPLICATION NUMBER: EP 96870005.4
      FILING DATE: 26 Jan 1996
      APPLICATION NUMBER: EP 96870081.5
      FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
      NAME: KAMMERER, PATRICIA A.
      REGISTRATION NUMBER: 29,775
      REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
      LENGTH: 14 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      MOLECULE TYPE: DNA (genomic)
      HYPOTHETICAL: NO
      ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-943-983-9
Query Match      8.2%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 1.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1717 GTACGAGATGGA 1729
      | | | | | | | | | |
Db      1 GTACGAGATGGA 13

RESULT 325
US-09-504-231A-474
```

Matches	9;	Conservative	3;	Mismatches	1;	Indels	0;	Gaps	0;
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Qy 1686 CTCCTCCAGCGTG 1698
 |:|:|:|:|:|:|:
 Db 3 CUCCUCCAGCGUG 15

RESULT 327

US-09-818-875-3958/c
 ; Sequence 3958, Application US/09818875
 ; Publication No. US20030051270A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kmiec, Eric B.
 ; APPLICANT: Gamper, Howard B.
 ; APPLICANT: Rice, Michael C.
 ; TITLE OF INVENTION: targeted Chromosomal Genomic Alterations with Modified Single
 ; FILE REFERENCE: Napro-4
 ; CURRENT APPLICATION NUMBER: US/09/818,875
 ; CURRENT FILING DATE: 2001-03-27
 ; PRIOR APPLICATION NUMBER: US 60/192,176
 ; PRIOR FILING DATE: 2000-03-27
 ; PRIOR APPLICATION NUMBER: US 60/192,179
 ; PRIOR FILING DATE: 2000-03-27
 ; PRIOR APPLICATION NUMBER: US 60/208,538
 ; PRIOR FILING DATE: 2000-06-01
 ; PRIOR APPLICATION NUMBER: US 60/244,989
 ; PRIOR FILING DATE: 2000-10-30
 ; NUMBER OF SEQ ID NOS: 4385
 ; SOFTWARE: Friedman macro Napro4
 ; SEQ ID NO 3958
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens

US-09-818-875-3958

Query Match	8.2%;	Score 11.4;	DB 1;	Length 17;
Best Local Similarity	92.3%;	Pred. No. 2.9e+02;		
Matches	12;	Conservative	0;	Mismatches 1;
Indels			0;	Gaps 0;

Qy 1668 CAGCTGGAGCCCT 1680
 |:|:|:|:|:|:|:
 Db 14 CAGCTGGAGCCCT 2

RESULT 328

US-09-818-875-3959
 ; Sequence 3959, Application US/09818875
 ; Publication No. US20030051270A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kmiec, Eric B.
 ; APPLICANT: Gamper, Howard B.
 ; APPLICANT: Rice, Michael C.
 ; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
 ; FILE REFERENCE: Napro-4
 ; CURRENT APPLICATION NUMBER: US/09/818,875
 ; CURRENT FILING DATE: 2001-03-27
 ; PRIOR APPLICATION NUMBER: US 60/192,176
 ; PRIOR FILING DATE: 2000-03-27
 ; PRIOR APPLICATION NUMBER: US 60/192,179
 ; PRIOR FILING DATE: 2000-03-27
 ; PRIOR APPLICATION NUMBER: US 60/208,538
 ; PRIOR FILING DATE: 2000-06-01
 ; PRIOR APPLICATION NUMBER: US 60/244,989
 ; PRIOR FILING DATE: 2000-10-30
 ; NUMBER OF SEQ ID NOS: 4385
 ; SOFTWARE: Friedman macro Napro4
 ; SEQ ID NO 3959
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens

US-09-818-875-3959


```
Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1668 CAGCTGGAACCCCT 1680
    ||||| |||||
Db 4 CAGCTGGAAGCCT 16

RESULT 329
US-10-209-787-3958/c
; Sequence 3958, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3958
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-3958

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1668 CAGCTGGAACCCCT 1680
    ||||| |||||
Db 14 CAGCTGGAAGCCT 2

RESULT 330
US-10-209-787-3959
; Sequence 3959, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
```

```
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3959
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-3959

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1668 CAGCTGGAACCCCT 1680
    ||||| |||||
Db 4 CAGCTGGAAGCCT 16

RESULT 331
US-10-261-185-3958/c
; Sequence 3958, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3958
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-3958

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1668 CAGCTGGAACCCCT 1680
    ||||| |||||
Db 14 CAGCTGGAAGCCT 2

RESULT 332
US-10-261-185-3959
; Sequence 3959, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
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; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3959
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-3959

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1668 CAGCTGGAACCT 1690
Db      4 CAGCTGGAACCT 16

RESULT 333
US-09-866-108-7827
; Sequence 7827, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AROMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7827
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7828

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1661 AGGCTCACAGCTG 1673
Db      5 AGGCTCACAGCTG 17

RESULT 334
US-09-866-108-7828
; Sequence 7828, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AROMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7828
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7828
```

D_b 4 AGCCTCACAGCTG 16

RESULT 335

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US-09-894-467-16/c
; Sequence 16, Application US/09894467
; Patent No. US2002015519A1
; GENERAL INFORMATION:
; APPLICANT: Lindner, Luther E.
; APPLICANT: MacPhee, Kathleen
; TITLE OF INVENTION: Human Blood Bacterium
; FILE REFERENCE: D6026D
; CURRENT APPLICATION NUMBER: US/09/894,467
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: US 09/187,946
; PRIOR FILING DATE: 1998-11-02
; NUMBER OF SEQ ID NOS: 20
; SEQ ID NO 16
; LENGTH: 17
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: primer bind
; OTHER INFORMATION: primer specific for influenza
; -OTHER INFORMATION: sequence of a new human
US-09-894-467-16

```

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1698 GGTGGAAGTTGGG 1710
|||
Db 16 GGTGGAAGCTGGG 4

RESULT 336

```

US-09-864-785-25/c
; Sequence 25, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE REFERENCE: 400/022 (MEHB00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; US-09-864-785-25

```

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Dy 1639 CTTGTAGCAGAAG 1651
|||
Db 17 CTTGTAGCGGAAG 5

RESULT 337

US-09-864-785-26/c
Sequence 26, Application US/09864785

```

: Patent No. US20020117758A1
:
: GENERAL INFORMATION:
: APPLICANT: Ribozyme Pharmaceuticals, Inc.
: APPLICANT: Stinchcomb, Dan
: APPLICANT: Draper, Ken
: APPLICANT: McSwiggen, Jim
: TITLE OF INVENTION: Enzymatic Nucleic Acid
: FILE OF INVENTION: Levels of NF-kappa B
: FILE REFERENCE: 400/022 (MH800-812-D)
: CURRENT APPLICATION NUMBER: US/09/864,785
: CURRENT FILING DATE: 2001-05-23
: NUMBER OF SEQ ID NOS: 3929
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 26
: LENGTH: 17
: TYPE: RNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial
US-09-864,785-26

```

Query Match	8.2%	Score 11.4;	DB 1;	Length 17;
Best Local Similarity	92.3%	Pred. No. 2.9e+02;		
Matches 12;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 0;

Qy 1639 CTTGTAGCAGAAG 1651
Db 14 CTTGTAGCGGAAG 2

RESULT 338

```

US-09-864-785-1438/c
; Sequence 1438, Application US/09864785
; Patent NO. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwigen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid
; FILE REFERENCE: Levels of NF-Kappa B
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1438
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial
US-09-864-785-1438

```

Query Match	8.2%	Score 11.4;	DB 1;	Length 17;
Best Local Similarity	92.3%	Fred. No. 2.9e+02;		
Matches 12;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 1;

QY	1639	CTTGTAGCAGAAG	1651
Db	16	CTTGTAGCGGAAG	4

RESULT 339

US-09-864-785-2015/c
; Sequence 2015, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McGSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid

Publication No. US20030014775A1
GENERAL INFORMATION:
APPLICANT: Zwick, Michael G.
Edington, Brent E.
McSwiggen, James A.
Merlo, Patricia Ann Owens
Guo, Lining
Skokut, Thomas A.
Young, Scott A.
Folkerts, Otto
Merlo, Donald J.
TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
IN PLANTS
NUMBER OF SEQUENCES: 1263
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2056
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/961.077
FILING DATE: 21-Sep-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/679,645
FILING DATE: July 12, 1996
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 53:
US-09-961-077-53
Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1636 GGGCTTGTAGCAG 1648
Db 16 GGGCTTGTAGCAG 4
RESULT 342
US-09-988-626-88/c
Sequence 88, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.

Publication No. US20030004122A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
APPLICANT: Adami, Jasenka Matulic
APPLICANT: Sweedler, Dave
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
FILE REFERENCE: MEHB00-831-F (400/809)
CURRENT APPLICATION NUMBER: US/09/825,805
CURRENT FILING DATE: 2001-09-27
PRIOR APPLICATION NUMBER: 09/578,223
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 09/476,387
PRIOR FILING DATE: 1999-12-30
PRIOR APPLICATION NUMBER: 09/474,432
PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/301,511
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: 60/083,727
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/064,866
PRIOR FILING DATE: 1997-11-05
NUMBER OF SEQ ID NOS: 1558
SOFTWARE: PatentIn version 3.0
SEQ ID NO 459
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-825-805-459
Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 76.9%; Pred. No. 2.9e+02;
Matches 10; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 1663 GCTCACAGCTGGA 1675
Db 2 GCUCACUGCUGGA 14
RESULT 341
US-09-961-077-53/c
Sequence 53, Application US/09961077

Publication No. US20030014775A1
GENERAL INFORMATION:
APPLICANT: Zwick, Michael G.
Edington, Brent E.
McSwiggen, James A.
Merlo, Patricia Ann Owens
Guo, Lining
Skokut, Thomas A.
Young, Scott A.
Folkerts, Otto
Merlo, Donald J.
TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
IN PLANTS
NUMBER OF SEQUENCES: 1263
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2056
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/961.077
FILING DATE: 21-Sep-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/679,645
FILING DATE: July 12, 1996
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 53:
US-09-961-077-53
Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1636 GGGCTTGTAGCAG 1648
Db 16 GGGCTTGTAGCAG 4
RESULT 342
US-09-988-626-88/c
Sequence 88, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.

```
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 88
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-988-626-88

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1657 CACCAGGCTCACA 1669
Db 17 CACCAGGCTGACA 5

RESULT 343
US-09-988-687-88/c
; Sequence 88, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 88
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-988-687-88

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1657 CACCAGGCTCACA 1669
Db 17 CACCAGGCTGACA 5

RESULT 344
US-09-988-687-88/c
; Sequence 88, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 88
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-988-687-88

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1657 CACCAGGCTCACA 1669
Db 17 CACCAGGCTGACA 5

RESULT 345
US-09-987-478-2362/c
; Sequence 2362, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2362
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2362

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCTCACTCTCTC 1748
Db 13 CCCCCCACTCTCTC 1
```

```
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBH00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 751
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-751

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1638 GCTTGTAGCAGAA 1650
Db 17 GCTTGTAGCAGAA 5
```

```
RESULT 345
US-09-877-478-2362/c
; Sequence 2362, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2362
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2362

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCTCACTCTCTC 1748
Db 13 CCCCCCACTCTCTC 1
```

```

RESULT 346
US-09-848-754A-299
; Sequence 299, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 299
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-299

Query Match      8.2%   Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 2.9e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1729 AGATTGGCTCCCA 1741
| : : : : :
Db 5 AUAUUGGCUCCCA 17

RESULT 347
US-09-848-754A-1429
; Sequence 1429, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1429
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1429

Query Match      8.2%   Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 2.9e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1729 AGATTGGCTCCCA 1741
| : : : : :
Db 1 AUAUUGGCUCCCA 13

RESULT 348
US-09-848-754A-1640
; Sequence 1640, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1640
; LENGTH: 17
; TYPE: RNA

```

; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE REFERENCE: MEHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; PRIOR FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3453
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3453

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 2.9e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1729 AGATTGGCTCCCA 1741
| : : : : :
Db 4 AUAUUGGCUCCCA 16

RESULT 352

US-09-528-644-5/c
; Sequence 5, Application US/09528644
; Publication No. US20030077696A1
; GENERAL INFORMATION:
; APPLICANT: Thim, Lars
; APPLICANT: No. US20030077696A1ris, Kjeld
; APPLICANT: No. US20030077696A1ris, Fanny
; APPLICANT: Bjorn, Soren
; APPLICANT: Christensen, Mogens
; APPLICANT: Nielsen, Per Franklin
; TITLE OF INVENTION: Human Spasmodic Polypeptide in
; FILE REFERENCE: 3951.224-US
; CURRENT APPLICATION NUMBER: US/09/528,644
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/580,964
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: US 09/027,893
; PRIOR FILING DATE: 1998-02-23
; PRIOR APPLICATION NUMBER: US 08/491,979
; PRIOR FILING DATE: 1995-08-02
; PRIOR APPLICATION NUMBER: PCT/DK94/00037
; PRIOR FILING DATE: 1994-01-20
; PRIOR APPLICATION NUMBER: 0069/93
; PRIOR FILING DATE: 1993-01-21
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Synthetic
US-09-528-644-5

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1677 CCTGTGTGTCTCC 1689
| : : : : :
Db 14 CCTGTGTGTCTCC 2

RESULT 353

US-09-827-395A-478/c
; Sequence 478, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt

; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowdhry
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor Ge
; FILE REFERENCE: MEHB00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 478
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-827-395A-478

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1676 ACCCTGGTGTCTC 1688
| : : : : :
Db 17 ACCCTGGTGTCTC 5

RESULT 354

US-09-988-686-88/c
; Sequence 88, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 88
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-988-686-88

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1657 CACGAGGCTCACA 1669
| : : : : :
Db 17 CACGAGGCTCACA 5

RESULT 355

US-09-740-332-1231/c
; Sequence 1231, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; TITLE OF INVENTION: Hepatitis C Virus Infection

; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1231
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-1231

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1675 AACCTGGTGCT 1687
|||||:
Db 17 AACCTGGTGCT 5

RESULT 356

US-09-740-332-1232/c
; Sequence 1232, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1232
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-1232

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1673 GGAACCTGGTGCT 1685
|||||:
Db 13 GGAACCTGGTGCT 1

RESULT 357

US-09-740-332-3324
; Sequence 3324, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3324
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence

; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3324

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 2.9e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1675 AACCTGGTGCT 1687
|||||:
Db 2 AACCCUGUGUAU 14

RESULT 358

US-09-792-818-96/c
; Sequence 96, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Von Carlowitz, Ira
; APPLICANT: McSwiggen, Jim
; APPLICANT: Hamblin, Paul
; APPLICANT: Ellis, Jonathan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insertion of Grb-2-related with Insertion
; FILE REFERENCE: MBH00-901-A (400/013)
; CURRENT APPLICATION NUMBER: US/09/792,818
; CURRENT FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 2304
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 96
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-792-818-96

Query Match 3.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1719 ACAGAGATGGAGA 1731
|||||:
Db 14 ACAGAGATGGAGA 2

RESULT 359

US-09-792-818-282/c
; Sequence 282, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Von Carlowitz, Ira
; APPLICANT: McSwiggen, Jim
; APPLICANT: Hamblin, Paul
; APPLICANT: Ellis, Jonathan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insertion of Grb-2-related with Insertion
; FILE REFERENCE: MBH00-901-A (400/013)
; CURRENT APPLICATION NUMBER: US/09/792,818
; CURRENT FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 2304
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 282
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-792-818-282

Query Match 8.2%; Score 11.4; DB 1; Length 17;


```
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1719 ACGAGATGGAGA 1731
Db 17 ACAGAGATGGAGA 5

RESULT 360
US-09-792-818-283/c
; Sequence 283, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Von Carlowitz, Ira
; APPLICANT: McSwiggen, Jim
; APPLICANT: Hamblin, Paul
; APPLICANT: Ellis, Jonathan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse
; TITLE OF INVENTION: (GRID) Gene
; FILE REFERENCE: MBH00-901-A (400/013)
; CURRENT APPLICATION NUMBER: US/09/792,818
; CURRENT FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 2304
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 283
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-792-818-283

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1719 ACGAGATGGAGA 1731
Db 16 ACAGAGATGGAGA 4

RESULT 361
US-09-792-818-284/c
; Sequence 284, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Von Carlowitz, Ira
; APPLICANT: McSwiggen, Jim
; APPLICANT: Hamblin, Paul
; APPLICANT: Ellis, Jonathan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse
; TITLE OF INVENTION: (GRID) Gene
; FILE REFERENCE: MBH00-901-A (400/013)
; CURRENT APPLICATION NUMBER: US/09/792,818
; CURRENT FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 2304
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 284
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-792-818-284

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1719 ACGAGATGGAGA 1731
Db 13 ACAGAGATGGAGA 1
```

```
RESULT 362
US-09-817-879-1231/c
; Sequence 1231, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1231
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-1231

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1675 AACCCCTGGTGCT 1687
Db 17 AACCCCTGGTGAT 5

RESULT 363
US-09-817-879-1232/c
; Sequence 1232, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1232
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-1232

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1673 GCAACCCCTGGTGCT 1685
Db 13 GCAACCCCTGGTGCT 1

RESULT 364
US-09-817-879-3324
; Sequence 3324, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; TITLE OF INVENTION: Hepatitis C Virus Infection
```

; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 324
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3324

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 2.9e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1675 AACCTGGTGTCT 1687
| | | | | : | : | : | :
Db 2 AACCCUGGUGAU 14

RESULT 365

US-10-342-902-2362/c
; Sequence 2362, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBHB00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2362
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-2362

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCCAACTCTCTC 1748
| | | | | : | : | : | :
Db 13 CCCCCAACTCTCTC 1

RESULT 366

US-09-918-715-314/c
; Sequence 314, Application US/09918715
; Publication No. US20030017157A1

; GENERAL INFORMATION:
; APPLICANT: Brad St. Croix
; APPLICANT: Bert Vogelstein
; APPLICANT: Kenneth Kinzler
; TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
; FILE REFERENCE: 1107.00134
; CURRENT APPLICATION NUMBER: US/09/918,715
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/222,599
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: 60/224,360
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/282,850
; PRIOR FILING DATE: 2000-04-11
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 314
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-715-314

Query Match 9.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1678 CCTGGTGTCTCTCT 1690
| | | | | : | : | : | :
Db 14 CCTGGGTCTCTCT 2

RESULT 367

US-10-430-882-478/c
; Sequence 478, Application US/10430882
; Publication No. US20030203870A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; APPLICANT: Peter Haerberli
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
; FILE REFERENCE: MBHB00-878-H (400/112)
; CURRENT APPLICATION NUMBER: US/10/430,882
; CURRENT FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: 09/827,395
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: PCT/US01/04273
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: PCT/US02/10512
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 478
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-430-882-478

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1676 ACCCTGGTGTCTC 1688
| | | | | : | : | : | :
Db 17 ACCCTGGTGGCTC 5

RESULT 368

```

; ORGANISM: Homo sapiens
US-10-060-756A-210

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1646 CAGAAGGCAAGCA 1658
Db 4 CGGAAGGCAAGCA 16
|||||
|

RESULT 370
US-10-060-756A-214
; Sequence 214, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 214
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-214

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1648 GAAGGCAAGCACC 1660
Db 2 GAAGGCAAGCAGC 14
|||||
|

RESULT 371
US-10-060-756A-215
; Sequence 215, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006665
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 215
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-215

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1648 GAAGCGACGACC 1660
|||||
DB 1 GAAGCGACGACG 13

RESULT 372

US-10-060-756A-736
; Sequence 736, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian

; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN

; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 736
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-736

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1684 GTCTCTCCAGCG 1696
|||||
DB 5 GTCTCTACAGCG 17

RESULT 373

US-10-060-756A-737
; Sequence 737, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:

; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 737
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-737

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1684 GTCTCTCCAGCG 1696
|||||
DB 4 GTCTCTACAGCG 16

RESULT 374

US-10-060-756A-738
; Sequence 738, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian

; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 738
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-738

Query Match 8.2%; Score 11.4; DB 1; Length 17;

Best Local Similarity 92.3%; Pred. No. 2.9e+02; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1;

QY 1684 GTCTCTCCAGCG 1696
|||||
Db 3 GTCTCTACAGCG 15

RESULT 375
US-10-060-756A-739
; Sequence 739, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 739
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-739

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1684 GTCTCTCCAGCG 1696
|||||
Db 2 GTCTCTACAGCG 14

RESULT 376
US-10-060-756A-740
; Sequence 740, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 740
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-740

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1684 GTCTCTCCAGCG 1696
|||||
Db 1 GTCTCTACAGCG 13

RESULT 377
US-10-163-552-747
; Sequence 747, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to levels
; FILE REFERENCE: MHB01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 747
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-747

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 76.9%; Pred. No. 2.9e+02;
Matches 10; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGA 1675
||:||||:
Db 5 GCUCACUGCUGGA 17

RESULT 378
US-10-163-552-748
; Sequence 748, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to levels
; FILE REFERENCE: MHB01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 748
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-748

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 76.9%; Pred. No. 2.9e+02;
Matches 10; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1663 GCTCACAGCTGGAA 1675
||:|||||:|||||
Db 2 GCACACUGCTGGA 14

RESULT 379

US-10-339-782-249/c
; Sequence 249, Application US/10339782
; Publication No. US20030166026A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Goodman, Laurie J
; APPLICANT: Bowen, Benjamin A
; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
; FILE REFERENCE: 37-000110US
; CURRENT APPLICATION NUMBER: US/10/339,782
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 249
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-782-249

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1637 GGCTTGTAGCAGA 1649
||:|||||:|||||
Db 15 GGTGTAGCAGA 3

RESULT 380

US-10-061-201-1296/c
; Sequence 1296, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecmica Sequence Listing Engine
; SEQ ID NO 1296
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1296

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAA 1676
||:|||||:|||||
Db 17 CACACAGCTGAA 5

RESULT 381

US-10-061-201-1297/c
; Sequence 1297, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecmica Sequence Listing Engine
; SEQ ID NO 1297
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1297

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAA 1676
||:|||||:|||||
Db 16 CACACAGCTGAA 4

RESULT 382

US-10-061-201-1298/c
; Sequence 1298, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecmica Sequence Listing Engine
; SEQ ID NO 1298
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1298

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1298
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1298

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAA 1676
Db 15 CACACAGCTGGAA 3

RESULT 383
US-10-061-201-1299/c
; Sequence 1299, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1299
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1299

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAA 1676

Db 14 CACACAGCTGGAA 2

RESULT 384
US-10-061-201-1300/c
; Sequence 1300, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1300
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1300

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAA 1676
Db 13 CACACAGCTGGAA 1

RESULT 385
US-10-061-201-1758/c
; Sequence 1758, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/328,205
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 4162
SOFTWARE: Aecomica Sequence Listing Engine
SEQ ID NO 1758
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-10-061-201-1758

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1753 TCCTAAAGGCCA 1765
|||||
Db 17 TCCTAAAGTCCA 5

RESULT 386

US-10-061-201-1759/c
Sequence 1759, Application US/10061201
Publication No. US20030166229A1
GENERAL INFORMATION:
APPLICANT: Shannon, Mark
TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PH0178
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/328,205
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 4162
SOFTWARE: Aecomica Sequence Listing Engine
SEQ ID NO 1759
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-10-061-201-1759

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1753 TCCTAAAGGCCA 1765
|||||
Db 16 TCCTAAAGTCCA 4

RESULT 387

US-10-084-839-3116/c
Sequence 3116, Application US/10084839
Publication No. US20030186238A1
GENERAL INFORMATION:
APPLICANT: Third Wave Technologies
APPLICANT: Allawi, Hatim
APPLICANT: Argue, Brad T.
APPLICANT: Bartholomay, Christian T.
APPLICANT: Chehak, LuAnne
APPLICANT: Curtis, Michelle L.
APPLICANT: Eis, Peggy S.
APPLICANT: Hall, Jeff G.
APPLICANT: Ip, Hon S.
APPLICANT: Ji, Lin
APPLICANT: Kaiser, Michael
APPLICANT: Kwiatkowski, Jr., Robert W.
APPLICANT: Lukowiak, Andrew A.
APPLICANT: Lyamichev, Victor
APPLICANT: Lymaicheva, Natalie E.
APPLICANT: Ma, Wupo
APPLICANT: Neri, Bruce P.
APPLICANT: Olson, Sarah M.
APPLICANT: Olson-Munoz, Marilyn C.
APPLICANT: Schaefer, James J.
APPLICANT: Skrzypczynski, Zbigniew
APPLICANT: Takova, Tsetska Y.
APPLICANT: Thompson, Lisa C.
APPLICANT: Vedvik, Kevin L.
TITLE OF INVENTION: RNA Detection Assays
FILE REFERENCE: FORS-06666
CURRENT APPLICATION NUMBER: US/10/084,839
CURRENT FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 4004
SOFTWARE: PatentIn version 3.1
SEQ ID NO 3116
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-10-084-839-3116

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1739 CCAACTCTCTCCCT 1751
|||||
Db 15 CCAGTCTCTCCCT 3

RESULT 388

US-10-297-068-1053/c
Sequence 1053, Application US/10297068
Publication No. US20030228585A1
GENERAL INFORMATION:
APPLICANT: INOKO, Hidetoshi
APPLICANT: KAGIYA, Taeko
APPLICANT: ICHIHARA, Tatsuo
APPLICANT: Matsumura, Yoshiyuki
APPLICANT: MORIYA, Shogo
APPLICANT: NISHIDA, Michio
TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
FILE REFERENCE: 13140P1174
CURRENT APPLICATION NUMBER: US/10/297,068
CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: JP 2000-164798
PRIOR FILING DATE: 2000-06-01
NUMBER OF SEQ ID NOS: 1298
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1053
LENGTH: 17
TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-1053

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
Db 17 AGGCTCAGCTG 5

RESULT 389
US-10-297-068-1160/c
; Sequence 1160, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 13140P1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1160
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-1160

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
Db 17 AGGCTCAGCTG 5

RESULT 390
US-10-138-674-1376
; Sequence 1376, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Favco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1376
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-1376

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 2.9e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1725 ATGGAGATTGGCT 1737
Db 3 AUGGAUAUUGGCU 15

RESULT 391
US-10-138-674-1377
; Sequence 1377, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Favco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1377
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-1377

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 2.9e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1725 ATGGAGATTGGCT 1737
Db 1 AUGGAUAUUGGCU 13

RESULT 392
US-10-138-674-4992/c
; Sequence 4992, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Favco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4992
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-4992

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAA 1676
Db 17 CCCACAGCTGGAA 5

RESULT 393

US-10-138-674-8011/c
; Sequence 8011, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8011
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-8011

Query Match 8.2%; Score 11.4; DB 1; Length 17;

Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1732 TTGGCTCCCACT 1744

Db 14 TTGGTCCCACT 2

RESULT 394

US-10-138-674-8348
; Sequence 8348, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8348
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-8348

Query Match 8.2%; Score 11.4; DB 1; Length 17;

Best Local Similarity 61.5%; Pred. No. 2.9e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1725 ATGGAGATTGGCT 1737

Db 5 AUGGAUAUUGGCU 17

RESULT 395

US-10-287-949A-1376
; Sequence 1376, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan

; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20922
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1376
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-1376

Query Match 3.2%; Score 11.4; DB 1; Length 17;

Best Local Similarity 61.5%; Pred. No. 2.9e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1725 ATGGAGATTGGCT 1737

Db 3 AUGGAUAUUGGCU 15

RESULT 396

US-10-287-949A-1377
; Sequence 1377, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1377
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-1377

Query Match 8.2%; Score 11.4; DB 1; Length 17;

Best Local Similarity 61.5%; Pred. No. 2.9e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1725 ATGGAGATTGGCT 1737

Db 1 AUGGAUAUUGGCU 13

RESULT 397

US-10-287-949A-4992/c
; Sequence 4992, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4992

```
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-4992

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAA 1676
Db 17 CCCACAGCTGGAA 5

RESULT 398
US-10-287-949A-8011/c
; Sequence 8011, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8011
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-8011

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1732 TTGGTCCCAACT 1744
Db 14 TTGGTCCCAACT 2

RESULT 399
US-10-287-949A-8348
; Sequence 8348, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8348
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-8348

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 2.9e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1725 ATGGAGATTGGCT 1737
Db 5 AUGGAUAUUGGCU 17

RESULT 400
US-10-712-672-1303/c
; Sequence 1303, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowirra, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBH00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1303
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-1303

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1679 CTGGTGCTCTCCTC 1691
Db 17 CTGGTGCTCTCCTC 5

RESULT 401
US-10-712-672-1304/c
; Sequence 1304, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowirra, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBH00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1304
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-1304

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1679 CTGGTGCTCTCCTC 1691
```

Db 13 CTGGTGTGCTC 1

RESULT 402

```

US-10-712-672-2491
; Sequence 2491, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for
; FILE REFERENCE: MBH00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712, 672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2491
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-10-712-672-2491

```

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 76.9%; Pred. No. 2.9e+02;
Matches 10; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1671 CTGGAACCTGGT 1683
| | | | | :
Db 5 CAGGAACCCUGU 17

RESULT 403

US-10-669-841-2165/c
; Sequence 2165, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEP
; FILE REFERENCE: 400/042US (MHHB02-249-B)
; CURRENT APPLICATION NUMBER: US/10/669, 841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296, 876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335, 059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337, 055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358, 580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363, 124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817, 879
; PRIOR FILING DATE: 2001-03-26

```

; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18207
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2165
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
; US-10-669-841-2165

```

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12: Conservative 0; Mismatches 1; Indels

QY 1736 CTCCCAACTCCTC 1748
Db 13 CCCCCAACTCCTC 1

RESULT 404

USDOJ 404
 ; 100-669-941-3824/c
 ; Sequence 3824, Application US/10669841
 ; Publication No. US2004012746A1
 ;
 ; GENERAL INFORMATION:
 ;
 ; APPLICANT: Sirna Therapeutics, Inc.
 ; APPLICANT: Lawrence, Blatt
 ; APPLICANT: Dennis, Macejak
 ; APPLICANT: James, MCSwiggan
 ; APPLICANT: David, Morrisey
 ; APPLICANT: Pamela, Ravco
 ; APPLICANT: Patrice, Lee
 ; APPLICANT: Kenneth, Draper
 ; APPLICANT: Elisabeth, Roberts

```

, TITLE OF INVENTION: VIRUS REPLICATION
, FILE REFERENCE: 400/042US (MEH002-249-E)
, CURRENT APPLICATION NUMBER: US 10/669,841
, CURRENT FILING DATE: 2003-09-23
, PRIOR APPLICATION NUMBER: PCN/US02/09187
, PRIOR FILING DATE: 2002-03-26
, PRIOR APPLICATION NUMBER: US 60/296,876
, PRIOR FILING DATE: 2001-06-08
, PRIOR APPLICATION NUMBER: US 60/335,059
, PRIOR FILING DATE: 2001-10-24
, PRIOR APPLICATION NUMBER: US 60/337,055
, PRIOR FILING DATE: 2001-12-05
, PRIOR APPLICATION NUMBER: US 60/358,580
, PRIOR FILING DATE: 2002-02-20
, PRIOR APPLICATION NUMBER: US 60/363,124
, PRIOR FILING DATE: 2002-03-11
, PRIOR APPLICATION NUMBER: US 09/817,879
, PRIOR FILING DATE: 2001-03-26
, PRIOR APPLICATION NUMBER: US 09/740,332
, PRIOR FILING DATE: 2000-12-18
, PRIOR APPLICATION NUMBER: US 09/611,931
, PRIOR FILING DATE: 2000-07-07
, PRIOR APPLICATION NUMBER: US 09/504,321
, PRIOR FILING DATE: 2000-02-15
, Remaining Prior Application data removed
, NUMBER OF SEQ ID NOS: 16207
, SOFTWARE: PatentIn version 3.0
, SEQ ID NO 3824

```

```

;
; LENGTH: 17
;
; TYPE: RNA
;
; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: Description
;
; FEATURE:
;

```



```
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7827
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7827

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
Db 5 AGGCTCAGCTG 17

RESULT 408
US-10-723-361-7828
; Sequence 7828, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
Db 5 AGGCTCAGCTG 17

RESULT 408
US-10-723-361-7828
; Sequence 7828, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
```

```
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7828
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7828

Query Match      8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.9e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTG 1673
Db 4 AGGCTCAGCTG 16

RESULT 409
US-10-043-875-261/c
; Sequence 261, Application US/10043875
; Publication No. US20030054339A1
; GENERAL INFORMATION:
; APPLICANT: De Smet, Koenraad
; APPLICANT: Stuyver, Lieven
; TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
; FILE REFERENCE: 11362-0033-NPUS01 (INNS.033)
; CURRENT APPLICATION NUMBER: US/10/043,875
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: 60/286,102
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: EP 01870085.6
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: EP 01870005.4
; PRIOR FILING DATE: 2001-01-11
; NUMBER OF SEQ ID NOS: 884
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 261
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus
US-10-043-875-261

Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1690 TCCAGCTGTGTGGAAG 1705
Db 16 TCCATCTTGTGTGGAAG 1

RESULT 410
US-10-091-281-319/c
; Sequence 319, Application US/10091281
; Publication No. US20030190617A1
; GENERAL INFORMATION:
; APPLICANT: RAYMOND, VINCENT
; APPLICANT: SI, ERWIN
; APPLICANT: MORISSETTE, JEAN
; TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
```

```
; FILE REFERENCE: 13587.338
; CURRENT APPLICATION NUMBER: US/10/091,281
; CURRENT FILING DATE: 2002-03-06
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 319
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Putative MYOD/E47.02 motif
US-10-091-281-319
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      1663 GCTCACAGCTGGAAACC 1678
      ||||| ||||| |||||
Db      16 GCTCACACCTGTATC 1
```

RESULT 411

```
US-10-138-674-5657/c
; Sequence 5657, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH800-876-N (400/049)
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5657
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5657
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      1666 CACAGCTGGAAACCCCTG 1681
      ||||| ||||| |||||
Db      16 CACAGCAGGACCCCG 1
```

RESULT 412

```
US-10-138-674-5658/c
; Sequence 5658, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH800-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5658
; LENGTH: 16
```

```
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5658
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      1663 GCTCACAGCTGGAAACC 1678
      ||||| ||||| |||||
Db      16 GCGCACAGCAGGACCC 1
```

RESULT 413

```
US-10-138-674-5954/c
; Sequence 5954, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH800-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5954
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5954
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      1661 AGGCTCACAGCTGGAA 1676
      ||||| ||||| |||||
Db      16 AGGTCACAGCTGGGA 1
```

RESULT 414

```
US-10-287-949A-5657/c
; Sequence 5657, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH800-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5657
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5657
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      1666 CACAGCTGGAAACCCCTG 1681
```

Db 16 CACAGCAGGACCCGG 1
||||| ||| ||| |||

RESULT 415

US-10-287-949A-5658/c
; Sequence 5658, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MEHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5658
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5658

Query Match 8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1663 GCTCACAGCTGGAC 1678
||| ||| ||| ||| |||

Db 16 GCGCACAGCAGGACCC 1

RESULT 416

US-10-287-949A-5954/c
; Sequence 5954, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MEHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5954
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5954

Query Match 8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1661 AGGCTCACAGCTGGAA 1676
||| ||| ||| ||| |||

Db 16 AGGCTCACAGCTGGGA 1

RESULT 417

US-10-712-672-1597
; Sequence 1597, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MEHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1597
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-1597

Query Match 8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 62.5%; Pred. No. 2.7e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 1753 TCCTAAGGCCCACTG 1768
:|:|:|:|:|:|:|:|:|

Db 1 UCCUCAAGACGACUG 16

RESULT 418

US-10-376-770-213/c
; Sequence 213, Application US/10376770
; Publication No. US20040106102A1
; GENERAL INFORMATION:
; APPLICANT: Dhallan, Ravinder S.
; TITLE OF INVENTION: RAPID ANALYSIS OF VARIATIONS IN A GENOME
; FILE REFERENCE: 54331200320
; CURRENT APPLICATION NUMBER: US/10/376,770
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 10/093,618
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/360,232
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 60/378,354
; PRIOR FILING DATE: 2002-05-08
; NUMBER OF SEQ ID NOS: 262
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 213
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 5, 6
; OTHER INFORMATION: These nucleotides may be absent
US-10-376-770-213

Query Match 8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1672 TGGAAACCTGGTGCT 1687
| | | | | | | | | | | | | |

Db 16 TAGAACCTGCAGTCT 1

RESULT 419

US-10-661-165-213/c
; Sequence 213, Application US/10661165
; Publication No. US20040137470A1
; GENERAL INFORMATION:


```
; APPLICANT: Dhallan, Ravinder S.
; TITLE OF INVENTION: METHODS FOR DETECTION OF GENETIC
; FILE REFERENCE: 543312000420
; CURRENT APPLICATION NUMBER: US/10/661,165
; CURRENT FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: PCT/US03/06198
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/378,354
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US 10/093,618
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/360,232
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: PCT/US03/27308
; PRIOR FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US 10/376,770
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 628
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 213
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (5)-(6)
; OTHER INFORMATION: These nucleotides may be absent
US-10-661-165-213
```

```
Query Match 8.1%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 1672 TCGAACCCCTGGTGCT 1687
      |||||
Db 16 TAGAACCCCTGCAGTCT 1
```

```
RESULT 420
US-10-163-552-471/c
; Sequence 471, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: HER2
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 471
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-471
```

```
Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 1636 GGGCTTGTAGCAGAG 1651
      |||||
Db 16 GGGCATGTAGGAGAG 1
```

```
RESULT 421
US-09-866-108-529
; Sequence 529, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
```

```
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 529
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-529
```

```
Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 1646 CAGAAGCAAGCACCA 1661
      |||||
Db 1 CAGATGACAGCATCA 16
```

```
RESULT 422
US-09-866-108-1263/c
; Sequence 1263, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
```

CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1263
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-1263

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1730 GATTGGCTCCCACTC 1745
Db 17 GATCGTCCCCCACTC 2

RESULT 423
US-09-866-108-1265/c
; Sequence 1265, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1265
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-1265

Query Match 9.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1729 AGATTGGCTCCCACT 1744
Db 16 AGATCGTCCCCCACT 1

RESULT 424
US-09-866-108-1285/c
; Sequence 1285, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663

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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1285
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-1285
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Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY      1678  CCTGGTGTCTCTCCCA 1693
          ||||| ||||| |||||
Db       17  CCTGCTTTCTCCCCA 2
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RESULT 425

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US-09-866-108-1286/c
; Sequence 1286, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
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; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1286
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-1286
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY      1678  CCTGGTGTCTCTCCCA 1693
          ||||| ||||| |||||
Db       16  CCTGCTTTCTCCCCA 1
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RESULT 426

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US-09-866-108-7832
; Sequence 7832, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7832
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7832
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Query Match

8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1662 GGCTCACAGCTGAAC 1677
| | | | | | | | | |
Db 1 GCCTCACAGCTGAAGC 16

RESULT 427

US-09-866-108-7984
; Sequence 7984, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7984
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7984

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1646 CAGAAGCAGCACCA 1661
| | | | | | | | | |
Db 2 CAGCAGGAAACACCA 17

RESULT 428

US-09-866-108-7985

Sequence 7985, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7985
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7985

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1646 CAGAAGCAGCACCA 1661
| | | | | | | | | |
Db 1 CAGCAGGAAACACCA 16

RESULT 429

US-09-866-108-9657/c
; Sequence 9657, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark

```

; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US 60/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 9657
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-9657

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e-02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1673 GGAAACCCCTGGTGCTC 1688
DB 17 GGACCCCTGGCCTCTC 2
|||||
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US 60/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2000-09-27

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; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 9659
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-9659

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e-02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGGACCCCTGGTGCTC 1687
DB 16 TGGACCCCTGGCCTCT 1
|||||
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US 60/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 10208
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10208

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1750 CTATCCTAAAGGCCCA 1765
||||| ||| |||
Db 2 CTATCCGGAAGCCCA 17

RESULT 432

US-09-866-108-10209
; Sequence 10209, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 10209
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10209

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1750 CTATCCTAAAGGCCCA 1765
||||| ||| |||
Db 1 CTATCCGGAAGCCCA 16

RESULT 433

US-09-864-785-202
; Sequence 202, Application US/09864785
; Patent No. US20020177568A:
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 202
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-202

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1737 TCCCAACTCCTCCCTA 1752
||| ||| ||| |||
Db 2 UCCGACCCUCCUUA 17

RESULT 434

US-09-864-785-203
; Sequence 203, Application US/09864785
; Patent No. US20020177568A:
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 203
; LENGTH: 17
; TYPE: RNA

```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-203

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1737 TCCCAACTCTCCTCCTA 1752
Db      1 UCCGGACCCCUCCUA 16

RESULT 435
US-09-864-785-2920/c
; Sequence 2920, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2920
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-2920

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1740 CAACTCTCTCCTATCC 1755
Db      17 CAGCTCCCCCTTCC 2

RESULT 436
US-09-864-785-2923/c
; Sequence 2923, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2923
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-2923

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
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Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1738 CCAACTCTCCTCCTAT 1753
Db      16 CCCAGCTCCCCCTTT 1

RESULT 437
US-09-825-805-579
; Sequence 579, Application US/09825805
; Publication No. US20030004122A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleotides
; FILE REFERENCE: MBH00-831-F (400/009)
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 09/578,223
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 09/476,387
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1558
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 579
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-825-805-579

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCTGTGTCTCTCTCC 1692
Db      1 CGCUGGGGCGCUCUCC 16

RESULT 438
US-09-961-077-687/c
; Sequence 687, Application US/09961077
; Publication No. US20030014775A1
; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; APPLICANT: Edington, Brent E.
; APPLICANT: McSwiggen, James A.
; APPLICANT: Merlo, Patricia Ann Owens
; APPLICANT: Guo, Lining
; APPLICANT: Skokut, Thomas A.
; APPLICANT: Young, Scott A.
; APPLICANT: Folkerts, Otto
; APPLICANT: Merlo, Donald J.
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR MODULATION OF GENE EXPRESSION IN PLANTS
; NUMBER OF SEQUENCES: 1263
; CORRESPONDENCE ADDRESS:
```



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; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-575

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 3.1e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1704 AGTGGGTAGAGTA 1719
DB 2 AGUGGUUCAGAGUA 17

RESULT 442
US-09-780-533A-1446
; Sequence 1446, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBH00.878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1446
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-1446

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 3.1e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1705 GTTGGTTAGAGTAC 1720
DB 1 GUUGGUUCAGAGUAC 16

RESULT 443
US-09-877-478-399
; Sequence 399, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 571
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-571

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1741 AACTCTCCCTATCCT 1756
DB 2 AACUCCUUCUUUCU 17

RESULT 445
US-09-877-478-572
; Sequence 572, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
```

```

; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 572
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
; US-09-877-478-572

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```

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 50.0%; Pred.No. 3.1e+02;
Matches 8; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY      1741  AACTCTCTCCCTATCCT 1756
Db       1  AACCCUUCUUUUCU 16

```

RESULT 446
US-09-877-478-1746
Sequence 1746, Application US/09877478
Publication No. US20030068301A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PatentIn version 3.0

```

; SEQ ID NO 1746
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-1746

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 3.1e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy      1698  GGTGGAGAGTTGGCTTA 1713
          |||||:::||:|
Db       2    GCAGGAGGUAGGUUA 17

RESULT 447
US-09-877-478-2358/c
; Sequence 2358, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2358
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2358

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Query Match      8.1%;   Score 11.2; DB 1; Length 17;
Best Local Similarity 8.1.2; Pred. No. 3.1e+00;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1741  AACTCTCTCCCTATGCT 1756
          |||||
Db      17    AACTCTCTCCCACTCAT 2

```

RESULT 448
US-09-877-478-2363
; Sequence 2363, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method for Inhibiting Hepatitis B Virus Replication

; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2363
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2363

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 3.1e+02;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1702 GAAGTTGGTTAGGAG 1717
|||:|||||
Db 2 GGAGUUGGGGAGGAG 17

RESULT 449
US-09-877-478-2364
; Sequence 2364, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2364
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2364

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 3.1e+02;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1702 GAAGTTGGTTAGGAG 1717
|||:|||||
Db 1 GGAGUUGGGGAGGAG 16

RESULT 450
US-09-848-754A-300
; Sequence 300, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Growth Factor Receptors
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 300
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-300

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1731 ATTGGCTCCCACTCC 1746
|||:|||||
Db 2 AUUGGCUCCAGUACC 17

RESULT 451
US-09-848-754A-371/c
; Sequence 371, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Growth Factor Receptors
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 371
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-371

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1694 GCGTGTGGAAGTTGG 1709
|||:|||||
Db 17 GCACGGTAGAGTTGG 2

RESULT 452
US-09-848-754A-1431
; Sequence 1431, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Growth Factor Receptors

; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1431
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1431

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 3.1e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1732 TTGGTCCCAACTCT 1747
Db 1 UUGGCUCCAGUACCU 16

RESULT 453
US-09-848-754A-1552/c
; Sequence 1552, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1552
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1552

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1694 GCCTGTGGAGTTGG 1709
Db 16 GCACGTAGAGTTGG 1

RESULT 454
US-09-848-754A-2715/c
; Sequence 2715, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2715
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2715

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1729 AGATTGGCTCCCACT 1744

Db 16 AAATGGGCTCCTAACT 1

RESULT 455
US-09-848-754A-3660/c
; Sequence 3660, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3660
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3660

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1659 CCAGGCTCACAGCTGG 1674
Db 16 CTTGCTCACAGTTGG 1

RESULT 456
US-09-930-423-1237/c
; Sequence 1237, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1237
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1237

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1650 AGCCAGCCACCGCT 1665
Db 16 AGCCAGCCCGCAGAT 1

RESULT 457
US-09-930-423-1604/c
; Sequence 1604, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15

```
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1604
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1604

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1650 AGGCAAGCACGAGCT 1665
DB 17 AGGCCAGCCCCAGGAT 2

RESULT 458
US-09-780-164-135/c
; Sequence 135, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 135
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-135

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1647 AGAAGGCAAGCACGAG 1662
DB 17 AGAAGGCAAGATCAG 2

RESULT 459
US-09-780-164-136/c
; Sequence 136, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 136
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-136

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1647 AGAAGGCAAGCACGAG 1662
DB 17 AGAAGGCAAGATCAG 2

RESULT 460
US-09-780-164-511/c
; Sequence 511, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 511
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-511

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1706 TTGGGTTAGGAGTACG 1721
DB 17 TTGGGTTCTGGAGCAG 2

RESULT 461
US-09-780-164-512/c
; Sequence 512, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 512
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-512

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1706 TTGGGTTAGGAGTACG 1721
DB 16 TTGGGTTCTGGAGCAG 1

RESULT 462
US-09-827-395A-65
; Sequence 65, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
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; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
; FILE REFERENCE: MBH00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 65
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-09-827-395A-65

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCGTGGTG 1701
   |:|:|:| | | | | |
Db 1 CUCCUCCUCCGAGGUG 16

RESULT 463
US-09-827-395A-367
; Sequence 367, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
; FILE REFERENCE: MBH00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 367
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-09-827-395A-367

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCGTGGTG 1701
   |:|:|:| | | | | |
Db 2 CUCCUCCUCCGAGGUG 17

RESULT 464
US-09-740-332-559
; Sequence 559, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: Hepatitis C Virus Infection
; CURRENT APPLICATION NUMBER: US/09/740,332
```

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; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 559
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-559

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.1e+02;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGGA 1675
   |||||:| | | | | |
Db 2 CAGGCUCACGCGCGCA 17

RESULT 465
US-09-740-332-819/C
; Sequence 819, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: Hepatitis C Virus Infection
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 819
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-819

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCCTGGTGCTCTCTCC 1692
   |||||:| | | | | |
Db 17 CCGCGGTGTCCTCCCC 2

RESULT 466
US-09-740-332-859
; Sequence 859, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: Hepatitis C Virus Infection
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 859
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
```

```
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-859

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.1e+02;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1655 AGCACCAGGCTCACAG 1670
Db 2 AUCACCAGCCUACGG 17

RESULT 467
US-09-740-332-3696/c
; Sequence 3696, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3696
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3696

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1660 CAGGCTCACAGCTGGA 1675
Db 17 CAGGCTCACGCCGCA 2

RESULT 470
US-09-792-818-119/c
; Sequence 119, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; APPLICANT: Hamblin, Paul
; APPLICANT: Ellis, Jonathan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insert
; FILE REFERENCE: MHB00-901-A (400/013)
; CURRENT APPLICATION NUMBER: US/09/792,818
; CURRENT FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 2304
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 119
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-792-818-119

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1721 GGAGATGGAGATTGGC 1736
Db 17 GGAGATGGAAATTGTC 2

RESULT 471
US-09-792-818-120/c
; Sequence 120, Application US/09792818
; Publication No. US20030134806A1
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; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-859

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.1e+02;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1655 AGCACCAGGCTCACAG 1670
Db 2 AUCACCAGCCUACGG 17

RESULT 467
US-09-740-332-3696/c
; Sequence 3696, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3696
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3696

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1655 AGCACCAGGCTCACAG 1670
Db 17 ATCACCAGCCTCACGG 2

RESULT 468
US-09-740-332-3736
; Sequence 3736, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3736
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3736

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 1677 CCTGTGTCTCTCTCC 1692
```

; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Jarvis, Thale
; APPLICANT: Von Carlowitz, Ira

; APPLICANT: McSwiggen, Jim

; APPLICANT: Hamblin, Paul

; APPLICANT: Ellis, Jonathan

; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insert

; TITLE OF INVENTION: (GRID) Gene

; FILE REFERENCE: MHB00-901-A (400/013)

; CURRENT APPLICATION NUMBER: US/09/792,818

; CURRENT FILING DATE: 2001-02-23

; NUMBER OF SEQ ID NOS: 2304

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 120

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-09-792-818-120

Query Match 8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 81.2%; Pred. No. 3.1e+02;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATGGC 1736

|||||

Db 16 GGAGATGGAAATTGTC 1

RESULT 472

US-09-792-818-409

; Sequence 409, Application US/09792818

; Publication No. US20030134806A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Jarvis, Thale

; APPLICANT: Von Carlowitz, Ira

; APPLICANT: McSwiggen, Jim

; APPLICANT: Hamblin, Paul

; APPLICANT: Ellis, Jonathan

; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insert

; TITLE OF INVENTION: (GRID) Gene

; FILE REFERENCE: MHB00-901-A (400/013)

; CURRENT APPLICATION NUMBER: US/09/792,818

; CURRENT FILING DATE: 2001-02-23

; NUMBER OF SEQ ID NOS: 2304

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 409

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-09-792-818-409

Query Match 8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 56.2%; Pred. No. 3.1e+02;

Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1632 GATGGGGCTTGTAGCA 1647

|||||

Db 2 GAUGGCAUUGUGGCA 17

RESULT 473

US-09-792-818-603/c

; Sequence 603, Application US/09792818

; Publication No. US20030134806A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Jarvis, Thale

; APPLICANT: Von Carlowitz, Ira

; APPLICANT: McSwiggen, Jim

; APPLICANT: Hamblin, Paul

; APPLICANT: Ellis, Jonathan

; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insert

; TITLE OF INVENTION: (GRID) Gene

; FILE REFERENCE: MHB00-901-A (400/013)

; CURRENT APPLICATION NUMBER: US/09/792,818

; CURRENT FILING DATE: 2001-02-23

; NUMBER OF SEQ ID NOS: 2304

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 603

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-09-792-818-603

Query Match 8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 81.2%; Pred. No. 3.1e+02;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1753 TCCTAAAGGCCCACTG 1768

|||||

Db 17 TCCACAGCCCCACTG 2

RESULT 474

US-09-745-237A-1237/c

; Sequence 1237, Application US/09745237A

; Publication No. US20030143708A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Blatt, Larry

; APPLICANT: McSwiggen, Jim

; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease

; FILE REFERENCE: 400/007 (MHB00-918-A)

; CURRENT APPLICATION NUMBER: US/09/745,237A

; CURRENT FILING DATE: 2002-04-15

; NUMBER OF SEQ ID NOS: 4550

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1237

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-09-745-237A-1237

Query Match 8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 81.2%; Pred. No. 3.1e+02;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1650 AGCCAGCACCAGGCT 1665

|||||

Db 16 AGCCAGCCCCAGGAT 1

RESULT 475

US-09-745-237A-1604/c

; Sequence 1604, Application US/09745237A

; Publication No. US20030143708A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Blatt, Larry

; APPLICANT: McSwiggen, Jim

; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease

; FILE REFERENCE: 400/007 (MHB00-918-A)

; CURRENT APPLICATION NUMBER: US/09/745,237A

; CURRENT FILING DATE: 2002-04-15

; NUMBER OF SEQ ID NOS: 4550

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1604

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-09-745-237A-1604

Query Match 8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 81.2%; Pred. No. 3.1e+02;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1650 AGCAAGCAGCAGCT 1665
|||||
Db 17 AGGCCAGCCCGAGT 2

RESULT 476

US-09-817-879-559
; Sequence 559, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc..
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 559
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-559

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.1e+02;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1660 CAGGCTCAGCTGGA 1675
|||||
Db 2 CAGGCUCACCCGCA 17

RESULT 477

US-09-817-879-819/c
; Sequence 819, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc..
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 819
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-819

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1677 CCTGTGTCTCTCC 1692
|||
Db 17 CCGCGGTGTCTCCCC 2

RESULT 478

US-09-817-879-859

; Sequence 859, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc..
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 859
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-859

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.1e+02;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1655 AGCACCAGGCTCAG 1670
|||||
Db 2 AUCACCAGCCUCACGG 17

RESULT 479

US-09-817-879-3696/c
; Sequence 3696, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc..
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3696
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3696

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1655 AGCACCAGGCTCAG 1670
|||||
Db 17 ATCACCAGCCTCACGG 2

RESULT 480

US-09-817-879-3736
; Sequence 3736, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc..
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26

; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3736
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3736

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCTGCTGCTCTCTCC 1692
||| :||:|:|
Db 2 CCCTGGGUGUCGCC 17

RESULT 481
US-09-817-879-3996/c
; Sequence 3996, Application US/09817879
; Publication No. US2003017131A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MEH800-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3996
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3996

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1660 CAGGCTCACAGCTGGA 1675
||| :||:|:|
Db 17 CAGGCTCACGCGCA 2

RESULT 482
US-09-991-552-7
; Sequence 7, Application US/09991552
; Publication No. US2003023230A1
; GENERAL INFORMATION:
; APPLICANT: Quirk, S.
; TITLE OF INVENTION: Detection and identification of enteric bacteria
; FILE REFERENCE: 1443.013US1
; CURRENT APPLICATION NUMBER: US/09/991,552
; CURRENT FILING DATE: 2001-11-21
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A primer.
US-09-991-552-7

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1689 CTCAGCGTGGTGAA 1704
||| :||:|:|
Db 2 CTGACGCTGGCGCA 17

RESULT 483
US-10-453-792-42/c
; Sequence 42, Application US/10453792
; Publication No. US20040029110A1
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; ROSSAU, RUDI
; MAERTENS, GEERT
; TITLE OF INVENTION: METHOD FOR TYPING AND DETECTING HBV
; NUMBER OF SEQUENCES: 313
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION NUMBER: US/10/453,792
; FILING DATE: 04-Jun-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/155,885A
; FILING DATE: 08-Oct-1998
; APPLICATION NUMBER: PCT/EP97/02002
; FILING DATE: 21-APR-1997
; APPLICATION NUMBER: EP 96870053.4
; FILING DATE: 19-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B. J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 2551-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 42:
US-10-453-792-42

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1747 TCCCTATCCTAAAGGC 1762
||| :||:|:|
Db 17 TCCATGTCCTAAGCC 2

RESULT 484
US-10-342-902-399
; Sequence 399, Application US/10342902

```
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 399
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
; US-10-342-902-399

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 3.1e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1680 TGGTGTCCTCCGACG 1695
Db 1 UGGUGUGUACCGACG 16

RESULT 485
US-10-342-902-571
; Sequence 571, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 571
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
; US-10-342-902-572

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1741 AACCTCTCCCTATCCT 1756
Db 1 AACUCCUUCUUUCCU 16

RESULT 487
US-10-342-902-1746
; Sequence 1746, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
```



```
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2364
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-2364

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 3.1e+02;
Matches 11; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1702 GAAGTTGGTTAGGAG 1717
Db 1 GGAGUGGGGCGAGGAG 16

RESULT 491
US-10-686-736-10/c
; Sequence 10, Application US/10686736
; Publication No. US20040063181A1
; GENERAL INFORMATION:
; APPLICANT: Dunican, Rita
; APPLICANT: McCormack, Ashling
; APPLICANT: Stapleton, Cliona
; APPLICANT: Burke, Kevin
; APPLICANT: Mockel, Bettina
; TITLE OF INVENTION: Process for the preparation of L-amino acids using
; FILE REFERENCE: a gene encoding 6-Phosphogluconate Dehydrogenase
; CURRENT APPLICATION NUMBER: US/10/686,736
; CURRENT FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: US/10/078,167A
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence: Internal
; OTHER INFORMATION: primer 2
US-10-686-736-10

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1645 GCAGAAGGCAAGCACC 1660
Db 16 GCAGAGGCATGCACC 1

RESULT 492
US-10-688-108-7
; Sequence 7, Application US/10688108
; Publication No. US20040063139A1
; GENERAL INFORMATION:
; APPLICANT: Quirk, S.
; TITLE OF INVENTION: Detection and identification of enteric bacteria
; FILE REFERENCE: 1443.013U51
; CURRENT APPLICATION NUMBER: US/10/688,108
; CURRENT FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: US/09/991,552
; PRIOR FILING DATE: 2001-11-21
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A primer.
US-10-688-108-7

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1689 CTCGAGCGTGGTGGAA 1704
Db 2 CTGACGCGTGGCGGCA 17

RESULT 493
US-09-918-715-331
; Sequence 331, Application US/09918715
; Publication No. US20030017157A1
; GENERAL INFORMATION:
; APPLICANT: Brad St. Croix
; APPLICANT: Bert Vogelstein
; APPLICANT: Kenneth Kinzler
; TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
; FILE REFERENCE: 1107.00134
; CURRENT APPLICATION NUMBER: US/09/918,715
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/222,599
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: 60/224,360
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/282,850
; PRIOR FILING DATE: 2000-04-11
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 331
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-715-331

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1741 AACTCCTCCCTATCCT 1756
Db 2 ACCACCTCCTTTCCT 17

RESULT 494
US-09-927-046-499
; Sequence 499, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloric
; FILE REFERENCE: 245/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 499
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
```

US-09-927-046-499

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATCTAA 1758
|:|:|:|:|:|:|:|:|
Db 1 CUGCUCUUGUCCUAA 16

RESULT 495

US-09-927-046-1174
; Sequence 1174, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloride Channel-1
; FILE REFERENCE: 249/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1174
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-927-046-1174

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATCTAA 1758
|:|:|:|:|:|:|:|:|
Db 2 CUGCUCUUGUCCUAA 17

RESULT 496

US-10-430-882-65
; Sequence 65, Application US/10430882
; Publication No. US20030203870A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; APPLICANT: Peter Haerberli
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
; FILE REFERENCE: MEH800-878-H (400/112)
; CURRENT APPLICATION NUMBER: US/10/430,882
; CURRENT FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: 09/827,395
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: PCT/US01/04273
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: PCT/US02/10512
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 65
; LENGTH: 17

; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-430-882-65

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGGTGGTG 1701
|:|:|:|:|:|:|:|:|
Db 1 CUCCUCCUCCGAGGUG 16

RESULT 497

US-10-430-882-367
; Sequence 367, Application US/10430882
; Publication No. US20030203870A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; APPLICANT: Peter Haerberli
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
; FILE REFERENCE: MEH800-878-H (400/112)
; CURRENT APPLICATION NUMBER: US/10/430,882
; CURRENT FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: 09/827,395
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: PCT/US01/04273
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: PCT/US02/10512
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 367
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-430-882-367

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGGTGGTG 1701
|:|:|:|:|:|:|:|:|
Db 2 CUCCUCCUCCGAGGUG 17

RESULT 498

US-10-060-830-137/c
; Sequence 137, Application US/10060830
; Publication No. US20030032154A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN LCCL DOMAIN CONTAINING PROTEIN
; FILE REFERENCE: PB0169
; CURRENT APPLICATION NUMBER: US/10/060,830
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/325,062
; PRIOR FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 137
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-830-137

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1753 TCCTAAGGCCCACTG 1768
|||||
Db 17 TCCTCATGGTCCACTG 2

RESULT 499
US-10-060-830-138/c
; Sequence 138, Application US/10060830
; Publication No. US20030032154A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN LCCL DOMAIN CONTAINING PROTEIN
; FILE REFERENCE: PB0169
; CURRENT APPLICATION NUMBER: US/10/060,830
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/325,062
; PRIOR FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 138
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-830-138

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1753 TCCTAAGGCCCACTG 1768
|||||
Db 16 TCCTCATGGTCCACTG 1

RESULT 500
US-10-060-830-649/c
; Sequence 649, Application US/10060830
; Publication No. US20030032154A1

; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN LCCL DOMAIN CONTAINING PROTEIN
; FILE REFERENCE: PB0169
; CURRENT APPLICATION NUMBER: US/10/060,830
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/325,062
; PRIOR FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 649
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-830-649

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1696 GTGGTGAAGTTGGGT 1711
|||||
Db 17 GTGGGGGAGTTGGTT 2

RESULT 501
US-10-060-830-650/c
; Sequence 650, Application US/10060830
; Publication No. US20030032154A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN LCCL DOMAIN CONTAINING PROTEIN
; FILE REFERENCE: PB0169
; CURRENT APPLICATION NUMBER: US/10/060,830
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/325,062
; PRIOR FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 650
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens

```
US-10-060-830-650
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1696 CTGCTGGAAGTTGGT 1711
      ||||| ||||| |||||
Db 16 GTGGGGGAGTTGGT 1

RESULT 502
US-10-060-756A-269
; Sequence 269, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 269
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-269
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1671 CTGGACCCCTGGCGTC 1686
      ||||| ||||| |||||
Db 1 CAGGACCCCTGGCGTC 16

RESULT 504
US-10-060-756A-751
; Sequence 751, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 269
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-269
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1671 CTGGACCCCTGGCGTC 1686
      ||||| ||||| |||||
Db 2 CAGGACCCCTGGCGTC 17

RESULT 503
US-10-060-756A-270
; Sequence 270, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 270
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-270
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCACAGCTGGAC 1677
      ||||| ||||| |||||
Db 2 GACTCACTGCTGGACC 17

RESULT 505
US-10-060-998-716
; Sequence 716, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
```



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; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 716
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-716

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1679 CTGGTGCTCTCCACG 1694
Db 2 CTGATGCTGCTACAG 17

RESULT 506
US-10-060-998-717
; Sequence 717, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 717
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-717

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1679 CTGGTGCTCTCCACG 1694
Db 1 CTGATGCTGCTACAG 16

RESULT 507
US-10-060-998-1329/c
; Sequence 1329, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
```

```
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1329
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-1329

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1713 AGGAGTACGAGATGG 1728
Db 17 AGGAGGAAGGAGAGGG 2

RESULT 508
US-10-060-998-1330/c
; Sequence 1330, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1330
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-1330

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1713 AGGAGTACGAGATGG 1728
Db 16 AGGAGGAAGGAGAGGG 1

RESULT 509
US-10-163-552-46
; Sequence 46, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to levels
; FILE REFERENCE: MBH01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 46
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-46
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCCTGGTGTCTCTCC 1692
Db 1 CGCUGGGGCUCCUCC 16

RESULT 510
US-10-163-552-560
; Sequence 560, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: MH801-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 560
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-560

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1668 CAGCTGGAACCTGGT 1693
Db 2 CAUCUGGAUCCUGAU 17

RESULT 511
US-10-163-552-903
; Sequence 903, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: MH801-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 903
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-903

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1675 AACCTGGTCTCTCC 1690
Db 2 AGCCCGAUGUGUCCU 17

RESULT 512
US-10-156-306-6840/c
; Sequence 6840, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
```

```
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: MH801-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6840
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-6840

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1679 CTGGTGTCTCTCCAG 1694
Db 16 CTGATTCCTCCAG 1

RESULT 513
US-10-078-167-10/c
; Sequence 10, Application US/10078167
; Publication No. US20030119154A1
; GENERAL INFORMATION:
; APPLICANT: Dunican, Rita
; APPLICANT: McCormack, Ashling
; APPLICANT: Stapleton, Cliona
; APPLICANT: Burke, Kevin
; APPLICANT: Mockel, Bettina
; TITLE OF INVENTION: Process for the preparation of L-amino acids using
; FILE REFERENCE: 990229 BT-US-B
; CURRENT APPLICATION NUMBER: US/10/078,167
; CURRENT FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence: Internal
; OTHER INFORMATION: primer 2
US-10-078-167-10

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1645 GCAGAGGCAAGCAC 1660
Db 16 GCAGCAGGCATGCAGC 1

RESULT 514
US-10-139-604-25
; Sequence 25, Application US/10139604
; Publication No. US20030124551A1
; GENERAL INFORMATION:
; APPLICANT: METRIS THERAPEUTICS LIMITED
; APPLICANT: LNEINCEK, Mirna
; APPLICANT: PAPPA, Helen
; TITLE OF INVENTION: AGENTS IMPLICATED IN ENDOMETRIOSIS
; FILE REFERENCE: 1396-1-006
; CURRENT APPLICATION NUMBER: US/10/139,604
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: GB 9926081.2
; PRIOR FILING DATE: 1999-11-03
; PRIOR APPLICATION NUMBER: GB 9926074.7
```

```
; PRIOR FILING DATE: 1999-11-03
; PRIOR APPLICATION NUMBER: GB 9926079.6
; PRIOR FILING DATE: 1999-11-03
; PRIOR APPLICATION NUMBER: GB 9926076.2
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: SeqWin99, version 1.02
; SEQ ID NO 25
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 3' RT-PCR primer for Stromelysin
US-10-139-604-25
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 1647 AGAAGGCAACACCG 1662
      |||||
Db 2 AGAAGGCATGGCCAG 17
```

```
RESULT 515
US-10-021-425-46
; Sequence 46, Application US/10021425
; Publication No. US20030148420A1
; GENERAL INFORMATION:
; APPLICANT: Suzanne L. Bolten
; APPLICANT: Alan M. Easton
; APPLICANT: Leslie C. Engel
; APPLICANT: Dean M. Messing
; APPLICANT: John S. Ng
; APPLICANT: Beverly A. Reitz
; APPLICANT: Scott A. Vaccaro
; APPLICANT: Mark C. Walker
; APPLICANT: Ping T. Wang
; APPLICANT: Robin A. Weinberg
; TITLE OF INVENTION: Aspergillus ochraceus 11 alpha
; FILE REFERENCE: S03196-00-US
; CURRENT APPLICATION NUMBER: US/10/021,425
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: US98 60/244,300
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Aspergillus ochraceus Primer 45624-for1
US-10-021-425-46
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 1722 GAGATGAGATTGGCT 1737
      |||||
Db 1 GAGATCAAGATTGCT 16
```

```
RESULT 516
US-10-238-700-575/c
; Sequence 575, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBH01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
```

```
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 575
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-575
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 1633 ATGGGGCTTGAGCAG 1648
      |||||
Db 17 ATGGGCATGTGGAG 2
```

```
RESULT 517
US-10-238-700-1089/c
; Sequence 1089, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Levels
; FILE REFERENCE: 400/057 (MBH01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1089
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-1089
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 1728 GAGATTGGCTCCCAAC 1743
      |||||
Db 17 GAGATGGCGCCTCAAC 2
```

```
RESULT 518
US-10-238-700-3257/c
; Sequence 3257, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Levels
; FILE REFERENCE: 400/057 (MBH01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3257
; LENGTH: 17
```

```
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-3257

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1736 CTCCTCAACTCTCTCCCT 1751
    |||||
Db 16 CTCCTCAACTCTCTCCCT 1

RESULT 519
US-10-339-782-25
; Sequence 25, Application US/10339782
; Publication No. US20030166026A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Goodman, Laurie J
; APPLICANT: Bowen, Benjamin A
; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
; FILE REFERENCE: 37-000110US
; CURRENT APPLICATION NUMBER: US/10/339,782
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-782-25

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1663 GCTCAGCTGGGAC 1678
    |||||
Db 1 GATCAGCAGGAGCC 16

RESULT 520
US-10-339-782-69
; Sequence 69, Application US/10339782
; Publication No. US20030166026A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Goodman, Laurie J
; APPLICANT: Bowen, Benjamin A
; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
; FILE REFERENCE: 37-000110US
; CURRENT APPLICATION NUMBER: US/10/339,782
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-782-69

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1752 ATCTTAAGGCCCACT 1767
    |||||
Db 2 ATCTTAATGAACCACT 17

RESULT 521
US-10-339-782-158
; Sequence 158, Application US/10339782
; Publication No. US20030166026A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Goodman, Laurie J
; APPLICANT: Bowen, Benjamin A
; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
; FILE REFERENCE: 37-000110US
; CURRENT APPLICATION NUMBER: US/10/339,782
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 158
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-782-158

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1735 GCTCCCAACTCTCTCC 1750
    |||||
Db 1 GATCCAGCACCTCTCC 16

RESULT 522
US-10-339-782-297
; Sequence 297, Application US/10339782
; Publication No. US20030166026A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Goodman, Laurie J
; APPLICANT: Bowen, Benjamin A
; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
; FILE REFERENCE: 37-000110US
; CURRENT APPLICATION NUMBER: US/10/339,782
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 297
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-782-297

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1655 AGACACGAGCTTACAG 1670
    |||||
Db 2 ATCACAGGCTTACAG 17

RESULT 523
US-10-061-201-785
; Sequence 785, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 785
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-785

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1691 CCAGCTCGTGAAGT 1706
||||| |||||
Db 2 CCAGCTCGTGAAGT 17

RESULT 524
US-10-061-201-786
; Sequence 786, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 786
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-786

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1691 CCAGCTCGTGAAGT 1706

Db 1 CCAGCTCGTGAAGT 16
||||| |||||

RESULT 525
US-10-061-201-1605
; Sequence 1605, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1605
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1605

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1671 CTGGAACCCCTGTGTC 1686
||||| |||||
Db 2 CCGAGCCCTGTCTC 17

RESULT 526
US-10-061-201-1609
; Sequence 1609, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1609
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1609

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1674 GAACCTGGTGCTCC 1689
Db 1 GAGCCCTGCTCTAC 16

RESULT 527
US-10-061-201-1611
; Sequence 1611, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00671
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1611
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1611

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCCTGGTGCTCTCC 1692
Db 2 CCCTGGTGCTCTACC 17

RESULT 528
```

```
US-10-061-201-1613
; Sequence 1613, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00671
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1613
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1613

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1678 CCTGGTGCTCTCCCA 1693
Db 1 CCTGGTGCTCTACCA 16

RESULT 529
US-10-061-201-1764/c
; Sequence 1764, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00671
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1764/c
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1764/c
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; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1764
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1764

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1748 CCTTCCTCTAAAGGCC 1763
DB 16 CCTTGCTCTAAAGTCC 1

RESULT 530
US-10-061-201-1784/c
; Sequence 1784, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1784
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1784

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATCCTAA 1758
DB 16 CTCGCCCTTCCGAA 2

RESULT 531
US-10-061-201-1785/c
; Sequence 1785, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1784
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1784

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATCCTAA 1758
DB 17 CTCGCCCTTCCGAA 2

RESULT 531
US-10-061-201-1785/c
; Sequence 1785, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
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; SEQ ID NO 1957
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1957

Query Match
Best Local Similarity 8.1%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1696 GTGGTGAAGTTGGGT 1711
Db 2 GTGGTGAAGTTGGGT 17

RESULT 533
US-10-061-201-1958
; Sequence 1958, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1958
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1958

Query Match
Best Local Similarity 8.1%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1696 GTGGTGAAGTTGGGT 1711
Db 1 GTGGTGAAGTTGGGT 16

RESULT 534
US-10-061-201-1959
; Sequence 1959, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1959
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1959

Query Match
Best Local Similarity 8.1%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1724 GATGGAGATTGGCTCC 1739
Db 2 GGTGGAGATGGGGTCC 17

RESULT 535
US-10-061-201-1960
; Sequence 1960, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1960
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1960
```


Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1724 GATGGAGATTGGCTCC 1739
Db 1 GGTGGAGATGGGGTCC 16

RESULT 536

US-10-061-201-1961
; Sequence 1961, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1961
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1961

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1726 TGGAGATTGGCTCCCA 1741
Db 2 TGGAGATGGGGTCCAA 17

RESULT 537

US-10-061-201-1962
; Sequence 1962, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1962
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1962

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1726 TGGAGATTGGCTCCCA 1741
Db 1 TGGAGATGGGGTCCAA 16

RESULT 538

US-10-230-006-1224
; Sequence 1224, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Posnaugh, Kathy
; APPLICANT: MCSwigen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIT
; FILE REFERENCE: 400/056 (MBHB01-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-19
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 2678
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1224
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-1224

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1649 AAGCAAGCACCAGGC 1664
Db 2 AAUGCCAGCGCCAGGC 17

RESULT 539

US-10-209-787-1703/c
; Sequence 1703, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Knies, Eric B.
; APPLICANT: Gamber, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4

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; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1703
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-1703

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1674 GAACCTGTGTCTCC 1689
Db 16 GAACCTGCAGTCTGC 1

RESULT 540
US-10-209-787-1704
; Sequence 1704, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1704
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-1704

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1674 GAACCTGTGTCTCC 1689
Db 2 GAACCTGCAGTCTGC 17

RESULT 541
US-10-297-068-278
; Sequence 278, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 1314OP1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 278
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-278

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1716 AGTACGGAGTGGAGA 1731
Db 2 ACTACGGAGTGGTGA 17

RESULT 542
US-10-297-068-1161/c
; Sequence 1161, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 1314OP1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1161
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-1161

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCTCC 1749
Db 17 GGCTCTCCACTGCTCC 2

RESULT 543
US-10-307-005-2651
; Sequence 2651, Application US/10307005
; Publication No. US20030236208A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 1314OP1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1161
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-1161

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1734 GGCTCCCAACTCTCC 1749
Db 17 GGCTCTCCACTGCTCC 2

RESULT 543
US-10-307-005-2651
; Sequence 2651, Application US/10307005
; Publication No. US20030236208A1
; GENERAL INFORMATION:
```

APPLICANT: University of Delaware
APPLICANT: Eric B. Kmiec
APPLICANT: Howard B. Gamper
APPLICANT: Michael C. Rice
APPLICANT: Jungsup Kim
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
FILE REFERENCE: Napro/009 PCT
CURRENT APPLICATION NUMBER: US/10/307,005
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: PCT/US01/17672
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 2717
SOFTWARE: Friedman macro Napro4
SEQ ID NO 2651
LENGTH: 17
TYPE: DNA
ORGANISM: Triticum aestivum
US-10-307-005-2651

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1642 GTAGCAGAAGCGCAGC 1657
DB 2 GGAGCAGTAGCGGAGC 17

RESULT 544
US-10-307-005-2652/c
Sequence 2652, Application US/10307005
Publication No. US20030236208A1
GENERAL INFORMATION:
APPLICANT: University of Delaware
APPLICANT: Eric B. Kmiec
APPLICANT: Howard B. Gamper
APPLICANT: Michael C. Rice
APPLICANT: Jungsup Kim
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
FILE REFERENCE: Napro/009 PCT
CURRENT APPLICATION NUMBER: US/10/307,005
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: PCT/US01/17672
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 2717
SOFTWARE: Friedman macro Napro4
SEQ ID NO 2652
LENGTH: 17
TYPE: DNA
ORGANISM: Triticum aestivum
US-10-307-005-2652

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1642 GTAGCAGAAGCGCAGC 1657
DB 16 GGAGCAGTAGCGGAGC 1

RESULT 545
US-10-454-224-24/c
Sequence 24, Application US/10454224
Publication No. US20040010814A1
GENERAL INFORMATION:
APPLICANT: HERRMANN, Bernhard
APPLICANT: KOSCHORZ, Birgit
APPLICANT: KISPERT, Andreas
TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATIONS
FILE REFERENCE: 258.0009 0101
CURRENT APPLICATION NUMBER: US/10/454,224
CURRENT FILING DATE: 2003-06-04
PRIOR APPLICATION NUMBER: US/09/554,726A
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: PCT/EP 98/07395
PRIOR FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: EP 98 10 3596.7
PRIOR FILING DATE: 1998-03-02
PRIOR APPLICATION NUMBER: EP 97 12 0190.0
PRIOR FILING DATE: 1997-11-18
NUMBER OF SEQ ID NOS: 53
SOFTWARE: PatentIn version 3.1
SEQ ID NO 24
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
US-10-454-224-24

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1690 TCCAGCGTGTGGAG 1705
DB 16 TCCAGCCAGGGGAG 1

RESULT 546
US-10-210-130-362/c
Sequence 362, Application US/10210130
Publication No. US20040014053A1
GENERAL INFORMATION:
APPLICANT: Zerhusen, Bryan D.
APPLICANT: Patturajan, Meera
APPLICANT: Kekuda, Ramesh
APPLICANT: Miller, Charles E.
APPLICANT: Rieger, Daniel K.
APPLICANT: Pena, Carol E.A.
APPLICANT: Shimkets, Richard A.
APPLICANT: Li, Li
APPLICANT: Berghs, Constance
APPLICANT: Zhong, Mei
APPLICANT: Casman, Stacie J.
APPLICANT: Voss, Edward Z.
APPLICANT: Boldog, Ferenc L.
APPLICANT: Padigaru, Muralidhara
APPLICANT: Smithson, Glennnda
APPLICANT: Ji, Weizhen
APPLICANT: Gorman, Linda
APPLICANT: Vernet, Corine A.M.
APPLICANT: Leite, Mario W.
APPLICANT: Guo, Xiaojia Sasha
APPLICANT: Anderson, David W.
APPLICANT: Spytek, Kimberly A.
APPLICANT: Gerlach, Valerie
APPLICANT: Burgess, Catherine E.
APPLICANT: Khramtsov, Nikolai V.
APPLICANT: Ort, Tatiana

```
; APPLICANT: Ellerman, Karen
; APPLICANT: Rastelli, Luca
; APPLICANT: Agee, Michele L.
; APPLICANT: Chaudhuri, Amitabha
; APPLICANT: Chant, John S.
; APPLICANT: DiPippo, Vincent A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Eisen, Andrew J.
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Giot, Loic
; APPLICANT: Ooi, Chean Eng
; APPLICANT: Rothenberg, Mark B.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Hjal, Tord
; APPLICANT: Liu, Xiaohong
; APPLICANT: Taupier, Raymond J., Jr.
; APPLICANT: Catterton, Elina
; APPLICANT: Shenoy, Suresh G.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-416C (Cura-716 SWT)
; CURRENT APPLICATION NUMBER: US/10/210,130
; CURRENT FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: 60/309,501
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/316,508
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: 60/354,655
; PRIOR FILING DATE: 2002-02-05
; PRIOR APPLICATION NUMBER: 60/310,291
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 60/383,887
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/310,951
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/323,936
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/381,039
; PRIOR FILING DATE: 2002-05-16
; PRIOR APPLICATION NUMBER: 60/311,292
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/311,979
; PRIOR FILING DATE: 2001-08-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: CuraSeqlist version 0.1
; SEQ ID NO 362
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer/Probe
US-10-210-130-362

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1719 ACGGAGTGGAGATTG 1734
DB 16 ACGGAGCTGGAGGTGG 1

RESULT 547
US-10-261-185-1703/c
; Sequence 1703, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: NaPro-4CON
```

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; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1703
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-1703

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1674 GAACCTGGTGTCTCC 1689
DB 16 GAACCTGCAGTCTGC 1

RESULT 548
US-10-261-185-1704
; Sequence 1704, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: NaPro-4CON
; CURRENT APPLICATION NUMBER: US/10/261,185
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/09761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1704
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-261-185-1704

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1674 GAACCTGGTGTCTCC 1689
DB 2 GAACCTGCAGTCTGC 17

RESULT 549
US-10-138-674-22/c
; Sequence 22, Application US/10138674
; Publication No. US20040077565A1
```

; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-22

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
DB 17 CACAGCAGGACCCCG 2

RESULT 550
US-10-138-674-782/c
; Sequence 782, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 782
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-782

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCAGAGTGGAA 1676
DB 16 AGGCTCAGAGTGGGA 1

RESULT 551
US-10-138-674-2582/c
; Sequence 2582, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00-876-N (400/049)

; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2582
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-138-674-2582

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1642 GTAGCAGGAGCAAGC 1657
DB 16 GCATCATAGGCAAGC 1

RESULT 552
US-10-138-674-2892/c
; Sequence 2892, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2892
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-138-674-2892

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
DB 17 CCCAGCAGAAACCCCTG 2

RESULT 553
US-10-138-674-2893/c
; Sequence 2893, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2893
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-138-674-2893

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
Db 16 CCCAGAGAAACCCCTG 1

RESULT 554

US-10-138-674-2911
; Sequence 2911, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2911
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-138-674-2911

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 3.1e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1738 CCCAACTCTCCCTAT 1753
Db 2 CCCAAGUCCUGAU 17

RESULT 555

US-10-138-674-4204/c
; Sequence 4204, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4204
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-4204

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
Db 16 CACAGAGAACCCCG 1

RESULT 556

US-10-138-674-4205/c
; Sequence 4205, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4205
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-4205

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGAACCC 1679
Db 17 CGCAGACGAGGACCCC 2

RESULT 557

US-10-138-674-5053/c
; Sequence 5053, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5053
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5053

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1654 AAGCAGCAGGCTCACA 1669
Db 17 AAGCAGCTGGCTCCCA 2

RESULT 558

US-10-138-674-5054/c
; Sequence 5054, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim

```
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5054
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5054

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1654 AAGCAGCTGGCTCCACA 1669
      ||||| ||||| |||||
Db 16 AAGCAGCTGGCTCCCA 1

RESULT 559
US-10-138-674-5167/c
; Sequence 5167, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5167
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5167

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTGGAA 1676
      ||||| ||||| |||||
Db 17 AGGCTCAGCTGGGA 2

RESULT 560
US-10-287-949A-22/c
; Sequence 22, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
```

```
; SEQ ID NO 22
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-22

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
      ||||| ||||| |||||
Db 17 CACAGCAGGACCCCGG 2

RESULT 561
US-10-287-949A-782/c
; Sequence 782, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 782
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-782

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCAGCTGGAA 1676
      ||||| ||||| |||||
Db 16 AGGCTCAGCTGGGA 1

RESULT 562
US-10-287-949A-2582/c
; Sequence 2582, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2582
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-287-949A-2582

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

QY 1642 GTAGCAGAGGCAAGC 1657
 Db 16 GCATCATAGGCAAGC 1

RESULT 563
 US-10-287-949A-2892/c
 ; Sequence 2892, Application US/10287949A
 ; Publication No. US20040102389A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Pavco, Pam
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Escobedo, Jaime
 ; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
 ; FILE REFERENCE: MBH00-876-N (400/049)
 ; CURRENT FILING DATE: 2003-04-11
 ; NUMBER OF SEQ ID NOS: 20822
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2892
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Mus musculus
 US-10-287-949A-2892

Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 3.1e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
 Db 17 CCCAGCAGAAACCCCTG 2

RESULT 564
 US-10-287-949A-2893/c
 ; Sequence 2893, Application US/10287949A
 ; Publication No. US20040102389A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Pavco, Pam
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Escobedo, Jaime
 ; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
 ; FILE REFERENCE: MBH00-876-N (400/049)
 ; CURRENT FILING DATE: 2003-04-11
 ; NUMBER OF SEQ ID NOS: 20822
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2893
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Mus musculus
 US-10-287-949A-2893

Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 3.1e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
 Db 16 CCCAGCAGAAACCCCTG 1

RESULT 565
 US-10-287-949A-2911
 ; Sequence 2911, Application US/10287949A

Publication No. US20040102389A1
 ; GENERAL INFORMATION: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Pavco, Pam
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Escobedo, Jaime
 ; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
 ; FILE REFERENCE: MBH00-876-N (400/049)
 ; CURRENT FILING DATE: 2003-04-11
 ; NUMBER OF SEQ ID NOS: 20822
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2911
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Mus musculus
 US-10-287-949A-2911

Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 56.2%; Pred. No. 3.1e+02;
 Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1738 CCCAACTCCTCCCTAT 1753
 Db 2 CCCAGUCCUACAGAU 17

RESULT 566
 US-10-287-949A-4204/c
 ; Sequence 4204, Application US/10287949A
 ; Publication No. US20040102389A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Pavco, Pam
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Escobedo, Jaime
 ; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
 ; FILE REFERENCE: MBH00-876-N (400/049)
 ; CURRENT FILING DATE: 2003-04-11
 ; NUMBER OF SEQ ID NOS: 20822
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 4204
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-10-287-949A-4204

Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 6.2%; Pred. No. 3.1e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAACCCCTG 1681
 Db 16 CACAGCAGGACCCCGG 1

RESULT 567
 US-10-287-949A-4205/c
 ; Sequence 4205, Application US/10287949A
 ; Publication No. US20040102389A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Pavco, Pam
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Escobedo, Jaime
 ; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel

US-10-287-949A-2911
 ; Sequence 2911, Application US/10287949A

FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
NUMBER FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4205
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-10-287-949A-4205

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACAGCTGGACCC 1679
Db 17 CGCACAGCAGGACCCC 2

RESULT 568

US-10-287-949A-5053/c
Sequence 5053, Application US/10287949A
Publication No. US20040102389A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Related to Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5053
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-10-287-949A-5053

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1654 AAGCACCAGGCTCACA 1669
Db 17 AAGCAGCTGGCTCCCA 2

RESULT 569

US-10-287-949A-5054/c
Sequence 5054, Application US/10287949A
Publication No. US20040102389A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Related to Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5054
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens

US-10-287-949A-5054

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1654 AAGCACCAGGCTCACA 1669
Db 16 AAGCAGCTGGCTCCCA 1

RESULT 570

US-10-287-949A-5167/c
Sequence 5167, Application US/10287949A
Publication No. US20040102389A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Related to Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5167
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-10-287-949A-5167

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1661 AGGCTCAGAGCTGGAA 1676
Db 17 AGGCTCAGAGCTGGGA 2

RESULT 571

US-10-712-672-14/c
Sequence 14, Application US/10712672
Publication No. US20040102413A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Chowrira, Bharat
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme Activity
FILE REFERENCE: MBHB00-882-C (400/019)
CURRENT APPLICATION NUMBER: US/10/712,672
CURRENT FILING DATE: 2003-11-13
PRIOR APPLICATION NUMBER: US/09/653,225
PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: 60/197,769
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/150,713
PRIOR FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 14
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-10-712-672-14

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1671 CTGGAACCTGGTGTCTC 1686
|:|||||:|:|:
Db 2 CUGGAACCAUAGCGUC 17

RESULT 574
US-10-712-672-557
; Sequence 557, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 557
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-557

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1671 CTGGAACCTGGTGTCTC 1686
|:|||||:|:|:
Db 1 CUGGAACCAUAGCGUC 16

RESULT 575
US-10-712-672-2295/c
; Sequence 2295, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2295
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-2295

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1634 TGGGCGCTTGTAGACGA 1649

QY 1642 GTAGCAGAGGCAAGC 1657
|:|||||:|:|:
Db 16 GAAGCGAAGGCCAGC 1

RESULT 572
US-10-712-672-522
; Sequence 522, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 522
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-522

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1733 TGGCTCCCACTCCTC 1748
|:|||||:|:|:
Db 2 UGGCUCACGCGCGC 17

RESULT 573
US-10-712-672-556
; Sequence 556, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 556
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-556

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.1e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

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Db      16 TGGGGATTGAAGCGGA 1
||||| ||| ||| ||| |||
RESULT 576
US-10-712-672-2501
; Sequence 2501, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowirra, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2501
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-2501
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 3.1e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      1695 CGTGTGGAAGTTGG 1710
||||| ||| ||| ||| |||
Db      1 CGUGUGAAGAACUUGCG 16
||||| ||| ||| ||| |||
RESULT 577
US-10-712-672-2528
; Sequence 2528, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowirra, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2528
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-2528
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.1e+02;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      1667 ACAGCTGGAACCTCG 1682
||||| ||| ||| ||| |||
Db      1 AUACCCGGAACCCUGG 16
||||| ||| ||| ||| |||
RESULT 578
US-10-669-841-399
; Sequence 399, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HBPA1
; FILE REFERENCE: 400/04205 (MBHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 399
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-399
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 3.1e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      1680 TGGTGTCCTCCACGC 1695
||||| ||| ||| ||| |||
Db      1 UGGUGUGUUCACCAGC 16
||||| ||| ||| ||| |||
RESULT 579
US-10-669-841-571
; Sequence 571, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
```


FEATURE: Description of Artificial Sequence: Nucleic Acid
NAME/KEY: misc_feature
LOCATION: oligonucleotide substrate
US-10-669-841-3412

Query Match 8.1%; Score 11.2; DB 1; Length 17;

Best Local Similarity 81.2%; Pred. No. 3.1e+02;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCTGGTGTCTCTCC 1692

Db 17 CCGGGTGTCTCCCC 2

RESULT 587

US-10-669-841-3452

Sequence 3452, Application US/10669841

Publication No. US20040127446A1

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: Lawrence, Blatt

APPLICANT: Dennis, Macejak

APPLICANT: James, McSwiggen

APPLICANT: David, Morrissey

APPLICANT: Pamela, Pavco

APPLICANT: Patrice, Lee

APPLICANT: Kenneth, Draper

APPLICANT: Elisabeth, Roberts

TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEP

TITLE OF INVENTION: VIRUS REPLICATION

FILE REFERENCE: 400/042US (MBHB02-249-E)

CURRENT APPLICATION NUMBER: US/10/669,841

CURRENT FILING DATE: 2003-09-23

PRIOR APPLICATION NUMBER: PCT/US02/09187

PRIOR FILING DATE: 2002-03-26

PRIOR APPLICATION NUMBER: US 60/296,876

PRIOR FILING DATE: 2001-06-08

PRIOR APPLICATION NUMBER: US 60/335,059

PRIOR FILING DATE: 2001-10-24

PRIOR APPLICATION NUMBER: US 60/337,055

PRIOR FILING DATE: 2001-12-05

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR FILING DATE: 2002-03-11

PRIOR APPLICATION NUMBER: US 09/817,879

PRIOR FILING DATE: 2001-03-26

PRIOR APPLICATION NUMBER: US 09/740,332

PRIOR FILING DATE: 2000-12-18

PRIOR APPLICATION NUMBER: US 09/611,931

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: US 09/504,321

PRIOR FILING DATE: 2000-02-15

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 16207

SOFTWARE: PatentIn version 3.0

SEQ ID NO 3452

LENGTH: 17

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE: Description of Artificial Sequence: Nucleic Acid

NAME/KEY: misc_feature

LOCATION: oligonucleotide substrate

US-10-669-841-3452

Query Match

Best Local Similarity 8.1%; Score 11.2; DB 1; Length 17;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1655 AGCACCAGGCTCACAG 1670

Db 2 AUCACCAGGCTCACGG 17

RESULT 588

US-10-669-841-6289/c

Sequence 6289, Application US/10669841

Publication No. US20040127446A1

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: Lawrence, Blatt

APPLICANT: Dennis, Macejak

APPLICANT: James, McSwiggen

APPLICANT: David, Morrissey

APPLICANT: Pamela, Pavco

APPLICANT: Patrice, Lee

APPLICANT: Kenneth, Draper

APPLICANT: Elisabeth, Roberts

TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEP

TITLE OF INVENTION: VIRUS REPLICATION

FILE REFERENCE: 400/042US (MBHB02-249-E)

CURRENT APPLICATION NUMBER: US/10/669,841

CURRENT FILING DATE: 2003-09-23

PRIOR APPLICATION NUMBER: PCT/US02/09187

PRIOR FILING DATE: 2002-03-26

PRIOR APPLICATION NUMBER: US 60/296,876

PRIOR FILING DATE: 2001-06-08

PRIOR APPLICATION NUMBER: US 60/335,059

PRIOR FILING DATE: 2001-10-24

PRIOR APPLICATION NUMBER: US 60/337,055

PRIOR FILING DATE: 2001-12-05

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR FILING DATE: 2002-03-11

PRIOR APPLICATION NUMBER: US 09/817,879

PRIOR FILING DATE: 2001-03-26

PRIOR APPLICATION NUMBER: US 09/740,332

PRIOR FILING DATE: 2000-12-18

PRIOR APPLICATION NUMBER: US 09/611,931

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: US 09/504,321

PRIOR FILING DATE: 2000-02-15

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 16207

SOFTWARE: PatentIn version 3.0

SEQ ID NO 6289

LENGTH: 17

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid

NAME/KEY: misc_feature

LOCATION:

OTHER INFORMATION: oligonucleotide substrate

US-10-669-841-6289

Query Match

Best Local Similarity 8.1%; Score 11.2; DB 1; Length 17;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1655 AGCACCAGGCTCACAG 1670

Db 17 ATCACCAGGCTCACGG 2

RESULT 589

US-10-669-841-6329

Sequence 6329, Application US/10669841

Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS B VIRUS REPLICATION
; FILE REFERENCE: 400/042US (MEHB02-249-E)
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: US/10/669,841
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 6329
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-6329
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-6329
Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.le+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
Qy 1677 CCCTGGTGCTCTCTCC 1692
Db 2 CCGCGGUGUCUCCCC 17
RESULT 590
US-10-669-841-6589/c
; Sequence 6589, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS B VIRUS REPLICATION
; FILE REFERENCE: 400/042US (MEHB02-249-E)
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 6329
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-6329

APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS B VIRUS REPLICATION
; FILE REFERENCE: 400/042US (MEHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 6589
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-6589
Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.le+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1660 CAGGCTCAGCTGGA 1675
Db 17 CAGGCTCAGCGCGCA 2
RESULT 591
US-10-723-361-529
; Sequence 529, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359


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; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 529
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-529
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

QY 1646 CAGAGGCAAGCACCA 1661

Db 1 CAGATGACAGCATCA 16

RESULT 592

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US-10-723-361-1263/c
; Sequence 1263, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1263
; LENGTH: 17
; TYPE: DNA
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; ORGANISM: Homo sapiens
US-10-723-361-1263
```

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Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

QY 1730 GATTGGCTCCCAACTC 1745

Db 17 GATCGTCCCAACTC 2

RESULT 593

```
US-10-723-361-1265/c
; Sequence 1265, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1265
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-1265
```

```
Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 1729 AGATTGGCTCCCAACT 1744

Db 16 AGATCGTCCCAACT 1

RESULT 594

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US-10-723-361-1285/c
; Sequence 1285, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
```

```
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1285
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-1285

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

;
QY 1678 CCTGGTGTCTCTCCCA 1693
Db 17 CCTGCTTCTCCCCCA 2

RESULT 595
US-10-723-361-1286/c
; Sequence 1286, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1285
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-1285
```

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; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1286
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-1286

Query Match      8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

;
QY 1678 CCTGGTGTCTCTCCCA 1693
Db 16 CCTGCTTCTCCCCCA 1

RESULT 596
US-10-723-361-7832
; Sequence 7832, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7832
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7832
```

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1662 GGCTCAGCTGAAC 1677
DB 1 GGCTCAGCTGAAGC 16

RESULT 597

US-10-723-361-7984
; Sequence 7984, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7984
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7984

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1646 CAGCAGGCAAGCACCA 1661
DB 2 CAGCAGGAAACACCA 17

RESULT 598

US-10-723-361-7985
; Sequence 7985, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.

; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7985
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7985

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1646 CAGCAGGCAAGCACCA 1661
DB 1 CAGCAGGAAACACCA 16

RESULT 599

US-10-723-361-9657/c
; Sequence 9657, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 15755
 ; SOFTWARE: Acomica Sequence Listing Engine
 ; SEQ ID NO 9657
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-723-361-9657

Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 3.1e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1673 GGACCCCTGGTGTCTC 1688
 DB 17 GGACCCCTGGCCTCTC 2

RESULT 600
 US-10-723-361-9659/c
 ; Sequence 9659, Application US/10723361
 ; Publication No. US20040137589A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GU, Yizhong
 ; APPLICANT: JI, Yonggang
 ; APPLICANT: PENN, Sharron G.
 ; APPLICANT: HANZEL, David K.
 ; APPLICANT: RANK, David R.
 ; APPLICANT: CHEN, Wensheng
 ; APPLICANT: SHANNON, Mark
 ; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
 ; FILE REFERENCE: PB0105
 ; CURRENT APPLICATION NUMBER: US/10723,361
 ; CURRENT FILING DATE: 2003-11-26
 ; PRIOR APPLICATION NUMBER: US 09/866,108
 ; PRIOR FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 15755
 ; SOFTWARE: Acomica Sequence Listing Engine
 ; SEQ ID NO 9659
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-723-361-9659

Query Match 9.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 3.1e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGAACCCCTGGTGTCT 1687
 DB 16 TGAACCCCTGGCCTCT 1

RESULT 601
 US-10-723-361-10208
 ; Sequence 10208, Application US/10723361
 ; Publication No. US20040137589A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GU, Yizhong
 ; APPLICANT: JI, Yonggang
 ; APPLICANT: PENN, Sharron G.
 ; APPLICANT: HANZEL, David K.
 ; APPLICANT: RANK, David F.
 ; APPLICANT: CHEN, Wensheng
 ; APPLICANT: SHANNON, Mark
 ; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
 ; FILE REFERENCE: PB0105
 ; CURRENT APPLICATION NUMBER: US/10723,361
 ; CURRENT FILING DATE: 2003-11-26
 ; PRIOR APPLICATION NUMBER: US 09/866,108
 ; PRIOR FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 15755
 ; SOFTWARE: Acomica Sequence Listing Engine
 ; SEQ ID NO 10208
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-723-361-10208

Query Match 8.1%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 3.1e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1750 CTATCCTAAAGGCCCA 1765
 DB 2 CTATCCGGAAGCCCA 17

RESULT 602
 US-10-723-361-10209
 ; Sequence 10209, Application US/10723361
 ; Publication No. US20040137589A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GU, Yizhong
 ; APPLICANT: JI, Yonggang
 ; APPLICANT: PENN, Sharron G.
 ; APPLICANT: HANZEL, David K.
 ; APPLICANT: RANK, David R.
 ; APPLICANT: CHEN, Wensheng
 ; APPLICANT: SHANNON, Mark
 ; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN

FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
SOFTWARE: Acomica Sequence Listing Engine
NUMBER OF SEQ ID NOS: 15755
SEQ ID NO 10209
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-10-723-361-10209

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1750 CTATCTAAAGCCCA 1765
||||| ||| |||||
DB 1 CTATCGGAAGCCCA 16

RESULT 603
US-10-417-264-4/c
Sequence 4, Application US/10417264
Publication No. US20040142458A1
GENERAL INFORMATION:
APPLICANT: BIO MEDIATION TECHNOLOGIE, INC.
TITLE OF INVENTION: WHITE ROT FUNGI AND METHOD FOR DECOMPOSING DIOXINS USING THEM
FILE REFERENCE: WKO-101PCT
CURRENT APPLICATION NUMBER: US/10/417,264
CURRENT FILING DATE: 2003-04-17
PRIOR APPLICATION NUMBER: US/09/805,127
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: JP 1998-260707
PRIOR FILING DATE: 1998-09-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: artificially synthesized sequ
US-10-417-264-4

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1648 GAAGGCAAGCACCAGG 1663
||||| ||| |||||
DB 16 GAAGGGCACCACCAGG 1

RESULT 604
US-10-417-264-5
Sequence 5, Application US/10417264
Publication No. US20040142458A1
GENERAL INFORMATION:
APPLICANT: BIO MEDIATION TECHNOLOGIE, INC.
TITLE OF INVENTION: WHITE ROT FUNGI AND METHOD FOR DECOMPOSING DIOXINS USING THEM
FILE REFERENCE: WKO-101PCT
CURRENT APPLICATION NUMBER: US/10/417,264
CURRENT FILING DATE: 2003-04-17
PRIOR APPLICATION NUMBER: US/09/805,127
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: JP 1998-260707
PRIOR FILING DATE: 1998-09-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: artificially synthesized sequ
US-10-417-264-5

Query Match 8.1%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1648 GAAGGCAAGCACCAGG 1663
||||| ||| |||||
DB 2 GAAGGGCACCACCAGG 17

RESULT 605
US-10-661-165-376/c
Sequence 376, Application US/10661165
Publication No. US20040137470A1
GENERAL INFORMATION:
APPLICANT: Dhallan, Ravinder S.
TITLE OF INVENTION: METHODS FOR DETECTION OF GENETIC
FILE REFERENCE: 543312000420
CURRENT APPLICATION NUMBER: US/10/661,165
CURRENT FILING DATE: 2003-09-11
PRIOR APPLICATION NUMBER: PCT/US03/06198
PRIOR FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/378,354
PRIOR FILING DATE: 2002-05-08
PRIOR APPLICATION NUMBER: US 10/093,618
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/360,232
PRIOR FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: PCT/US03/27308
PRIOR FILING DATE: 2003-08-29
PRIOR APPLICATION NUMBER: US 10/376,770
PRIOR FILING DATE: 2003-02-28
NUMBER OF SEQ ID NOS: 628
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 376
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
US-10-661-165-376

Query Match 7.9%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1683 TGTCTCTCTCCA 1693
||||| ||| |||||

```

Db      11 TCTCTCTCCA 1

RESULT 606
US-10-287-226-558
; Sequence 558, Application US/10287226
; Publication No. US20040086875A1
; GENERAL INFORMATION:
; APPLICANT: Agee, Michelle L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khramtsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigar, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Rieger, Daniel K.,
; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 558

```

```

; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer/Probe
US-10-287-226-558

Query Match
Best Local Similarity 7.9%; Score 11; DB 1; Length 15;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1733 TGGCTCCCAAC 1743
Db      2 TGGCTCCCAAC 12
      |||||
RESULT 607
US-10-331-109-15/c
; Sequence 15, Application US/10331109
; Publication No. US20030215891A1
; GENERAL INFORMATION:
; APPLICANT: Bickel, et al.
; TITLE OF INVENTION: Method for the qualitative and/or quantitative detection of molec
; FILE REFERENCE: 12671/1
; CURRENT APPLICATION NUMBER: US/10/331,109
; PRIOR FILING DATE: 2002-12-27
; PRIOR APPLICATION NUMBER: PCT/EP01/07575
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 100 33 334.6
; PRIOR FILING DATE: 2000-07-01
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Description of the artificial sequence:
; OTHER INFORMATION: Oligonucleotide probe
US-10-331-109-15

Query Match
Best Local Similarity 7.9%; Score 11; DB 1; Length 16;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1753 TCCTAAGGCC 1763
Db      13 TCCTAAGGCC 3
      |||||
RESULT 608
US-10-455-013-17
; Sequence 17, Application US/10455013
; Publication No. US20040010810A1
; GENERAL INFORMATION:
; APPLICANT: KUCHERLAPATI, RAJU
; APPLICANT: JAKOBOVITS, AYA
; APPLICANT: KLAPHOLZ, SUE
; APPLICANT: BRENNER, DANIEL G.
; APPLICANT: CAPON, DANIEL J.
; TITLE OF INVENTION: GENERATION OF XENOGENEIC ANTIBODIES
; FILE REFERENCE: CELL 4.6 CON 2
; CURRENT APPLICATION NUMBER: US/10/455,013
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 09/019,523
; PRIOR FILING DATE: 1998-02-05
; PRIOR APPLICATION NUMBER: 08/234,145
; PRIOR FILING DATE: 1994-04-28
; PRIOR APPLICATION NUMBER: 08/112,848
; PRIOR FILING DATE: 1993-08-27
; PRIOR APPLICATION NUMBER: 08/031,801
; PRIOR FILING DATE: 1993-03-15

```

; PRIOR APPLICATION NUMBER: 07/919,297
; PRIOR FILING DATE: 1992-07-24
; PRIOR APPLICATION NUMBER: 07/610,515
; PRIOR FILING DATE: 1990-11-08
; PRIOR APPLICATION NUMBER: 07/466,008
; PRIOR FILING DATE: 1990-01-12
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-455-013-17

Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1669 AGCTGGAAACC 1679
|||
Db 1 AGCTGGAAACC 11

RESULT 609
US-10-455-013-29
; Sequence 29, Application US/10455013
; Publication No. US20040010810A1
; GENERAL INFORMATION:
; APPLICANT: KUCHERLAPATI, RAJU
; APPLICANT: JAKOBOVITS, AYA
; APPLICANT: KLAPHOLZ, SUE
; APPLICANT: BRENNER, DANIEL G.
; APPLICANT: CAPON, DANIEL J.
; TITLE OF INVENTION: GENERATION OF XENOGENEIC ANTIBODIES
; FILE REFERENCE: CELL 4.6 CON 2
; CURRENT APPLICATION NUMBER: US/10/455,013
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 09/019,523
; PRIOR FILING DATE: 1998-02-05
; PRIOR APPLICATION NUMBER: 08/234,145
; PRIOR FILING DATE: 1994-04-28
; PRIOR APPLICATION NUMBER: 08/112,848
; PRIOR FILING DATE: 1993-08-27
; PRIOR APPLICATION NUMBER: 08/031,801
; PRIOR FILING DATE: 1993-03-15
; PRIOR APPLICATION NUMBER: 07/919,297
; PRIOR FILING DATE: 1992-07-24
; PRIOR APPLICATION NUMBER: 07/610,515
; PRIOR FILING DATE: 1990-11-08
; PRIOR APPLICATION NUMBER: 07/466,008
; PRIOR FILING DATE: 1990-01-12
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-455-013-29

Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1669 AGCTGGAAACC 1679
|||
Db 1 AGCTGGAAACC 11

RESULT 610
US-10-627-250-17
; Sequence 29, Application US/10627250
; Publication No. US20040093622A1
; GENERAL INFORMATION:
; APPLICANT: KUCHERLAPATI, RAJU
; APPLICANT: JAKOBOVITS, AYA
; APPLICANT: KLAPHOLZ, SUE
; APPLICANT: BRENNER, DANIEL G.
; APPLICANT: CAPON, DANIEL J.
; TITLE OF INVENTION: GENERATION OF XENOGENEIC ANTIBODIES
; FILE REFERENCE: CELL 4.4 CPA RCE
; CURRENT APPLICATION NUMBER: US/10/627,250
; CURRENT FILING DATE: 2003-07-24
; PRIOR APPLICATION NUMBER: US/08/031,801
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 07/919,297
; PRIOR FILING DATE: 1992-07-24
; PRIOR APPLICATION NUMBER: PCT/US91/00245
; PRIOR FILING DATE: 1991-01-11
; PRIOR APPLICATION NUMBER: 07/610,515
; PRIOR FILING DATE: 1990-11-08
; PRIOR APPLICATION NUMBER: 07/466,008
; PRIOR FILING DATE: 1990-01-12
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-627-250-17

Query Match 7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1669 AGCTGGAAACC 1679
|||
Db 1 AGCTGGAAACC 11

RESULT 611
US-10-627-250-29
; Sequence 29, Application US/10627250
; Publication No. US20040093622A1
; GENERAL INFORMATION:
; APPLICANT: KUCHERLAPATI, RAJU
; APPLICANT: JAKOBOVITS, AYA
; APPLICANT: KLAPHOLZ, SUE
; APPLICANT: BRENNER, DANIEL G.
; APPLICANT: CAPON, DANIEL J.
; TITLE OF INVENTION: GENERATION OF XENOGENEIC ANTIBODIES
; FILE REFERENCE: CELL 4.4 CPA RCE
; CURRENT APPLICATION NUMBER: US/10/627,250
; CURRENT FILING DATE: 2003-07-24
; PRIOR APPLICATION NUMBER: US/08/031,801
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 07/919,297
; PRIOR FILING DATE: 1992-07-24
; PRIOR APPLICATION NUMBER: PCT/US91/00245
; PRIOR FILING DATE: 1991-01-11
; PRIOR APPLICATION NUMBER: 07/610,515
; PRIOR FILING DATE: 1990-11-08
; PRIOR APPLICATION NUMBER: 07/466,008
; PRIOR FILING DATE: 1990-01-12
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 16

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: polylinker
US-10-627-250-29

```

```

Query Match          7.9%; Score 11; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1669 AGCTGAACCC 1679
DB 1 AGCTGAACCC 11

```

```

RESULT 612
US-09-943-983-4
; Sequence 4, Application US/09943983
; Publication No. US20030077575A1
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; LOUWAGIE, JOOST
; ROSSAU, RUDI
TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE

```

```

; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,983
; FILING DATE: 31-Aug-2001

```

```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/913,833
; FILING DATE: 1997-09-15
; APPLICATION NUMBER: EP 96870005.4
; FILING DATE: 26 Jan 1996
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-943-983-4

```

```

Query Match          7.8%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 2.4e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1718 TACGAGATGGAGA 1731
DB 1 TACAGAGATGGA 14

```

```

RESULT 613
US-09-263-959-672
; Sequence 672, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-5031
; INFORMATION FOR SEQ ID NO: 672:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-263-959-672

```

```

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1743 CTCCTCCCTATCCT 1756
DB 2 CTCCTCCCTTCTCCT 15

```

```

RESULT 614
US-09-263-959-708
; Sequence 708, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

```



```
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 708:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-263-959-708

Query Match      7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1743 CTCCTCCTTATCCT 1756
Db      2 CTCCTCCTTCTCCT 15

RESULT 615
US-09-860-784-8
; Sequence 8, Application US/09860784
; Patent No. US20020151512A1
; GENERAL INFORMATION:
; APPLICANT: PEYMAN, Anuschirwan
; TITLE OF INVENTION: G CAP-STABILIZED OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 105
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/860,784
; FILING DATE: 21-May-2001
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/594,452
; FILING DATE: 04-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: SANDERCOCK, Colin G.
; REGISTRATION NUMBER: 31,298
; REFERENCE/DOCKET NUMBER: 18748/264/HOCE
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 672-5300
; TELEFAX: (202) 672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-860-784-8
```

```
Query Match      7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1668 CAGCTGGAACCCCTG 1681
Db      1 CAGCTGCAACCCAG 14

RESULT 616
US-09-835-371-5
; Sequence 5, Application US/09835371
; Publication No. US20020187473A1
; GENERAL INFORMATION:
; APPLICANT: UHLMANN, Eugen
; APPLICANT: BREIPOHL, Gerhard
; APPLICANT: WILL, David W
; TITLE OF INVENTION: POLYAMIDE NUCLEIC ACID DERIVATIVES, AND AGENTS AND
; TITLE OF INVENTION: PROCESSES FOR PREPARING THEM
; FILE REFERENCE: 02481.1743 SEQUENCE LISTING
; CURRENT APPLICATION NUMBER: US/09/835,371
; CURRENT FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 5
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: base sequence
; OTHER INFORMATION: of PNA targeting CMV
US-09-835-371-5

Query Match      7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1668 CAGCTGGAACCCCTG 1681
Db      1 CAGCTGCAACCCAG 14

RESULT 617
US-09-835-370-5
; Sequence 5, Application US/09835370
; Publication No. US20030022172A1
; GENERAL INFORMATION:
; APPLICANT: UHLMANN, Eugen
; APPLICANT: BREIPOHL, Gerhard
; APPLICANT: WILL, David W
; TITLE OF INVENTION: POLYAMIDE NUCLEIC ACID DERIVATIVES AND AGENTS AND
; TITLE OF INVENTION: PROCESSES FOR PREPARING THEM
; FILE REFERENCE: 02481.1742 SEQUENCE LISTING
; CURRENT APPLICATION NUMBER: US/09/835,370
; CURRENT FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 5
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: nucleotide
; OTHER INFORMATION: base sequence of PNA derivatives that bind to
; OTHER INFORMATION: viral and cellular targets
US-09-835-370-5

Query Match      7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1668 CAGCTGGAACCCCTG 1681
Db      1 CAGCTGCAACCCAG 14
```

```
Db      1  CAGCTGCAACCCAG 14

RESULT 618
US-09-880-313A-49/c
; Sequence 49, Application US/09880313A
; Publication No. US20030044791A1
; GENERAL INFORMATION:
; APPLICANT: Fleming, Erik K
; TITLE OF INVENTION: Adaptors and Methods of Use
; FILE REFERENCE: 9397/1000
; CURRENT APPLICATION NUMBER: US/09/880,313A
; CURRENT FILING DATE: 2001-06-13
; NUMBER OF SEQ ID NOS: 276
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 49
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-880-313A-49

Query Match      7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1644 AGCAGAGGCAAGC 1657
      ||| ||| ||| ||| |||
Db      15 AGCTGCAGGCAAGC 2

RESULT 619
US-09-793-146-7
; Sequence 7, Application US/09793146
; Publication No. US20030203359A1
; GENERAL INFORMATION:
; APPLICANT: UHLMANN, EUGEN
; APPLICANT: BREIPOHL, GERHARD
; TITLE OF INVENTION: POLYAMIDE-OLIGONUCLEOTIDE DERIVATIVES, THEIR
; TITLE OF INVENTION: PREPARATION AND USE
; FILE REFERENCE: 02481.1437-02
; CURRENT APPLICATION NUMBER: US/09/793,146
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: P 44 08 528.1
; PRIOR FILING DATE: 1994-03-14
; PRIOR APPLICATION NUMBER: 08/402,838
; PRIOR FILING DATE: 1995-03-13
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 7
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic PNA
US-09-793-146-7

Query Match      7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1668 CAGCTGGAACCTTG 1681
      ||| ||| ||| ||| |||
Db      1  CAGCTGCAACCCAG 14

RESULT 620
US-10-010-802-130/c
; Sequence 130, Application US/10010802
; Publication No. US20030078220A1
; GENERAL INFORMATION:
; APPLICANT: Genaisance Pharmaceuticals
```

```
; APPLICANT: Chew, Anne
; APPLICANT: Denton, R. Rex
; APPLICANT: Duda, Amy
; APPLICANT: Nandabalan, Krishnan
; APPLICANT: Stephens, J. Claiborne
; APPLICANT: Windemuth, Andreas
; TITLE OF INVENTION: Drug Target Isoenes: Polymorphisms in the Interleukin
; FILE REFERENCE: MMH-0002US2 IL4R alpha
; CURRENT APPLICATION NUMBER: US/10/010,802
; CURRENT FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: PCT/US00/19094
; PRIOR FILING DATE: 2000-07-13
; NUMBER OF SEQ ID NOS: 413
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 130
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-802-130

Query Match      7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1728 GAGATTGGCTCCCA 1741
      ||| ||| ||| ||| |||
Db      15 GAGCTTGCTCCCA 2

RESULT 621
US-10-440-850-823
; Sequence 823, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Revert
; TITLE OF INVENTION: Immune Responses
; FILE REFERENCE: 250/130 (MBHE00-900-A)
; CURRENT APPLICATION NUMBER: US/10/440,850
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: US/09/650,012
; PRIOR FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 08/585,684
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: US 60/000,951
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: US 09/038,073
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 2285
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 823
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-440-850-823

Query Match      7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 57.1%; Pred. No. 2.7e+02;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY      1678 CCTGGTGTCTCTC 1691
      ||| ||| : ||| |||
Db      2  CCUGGUCUCCACCUC 15

RESULT 622
US-10-418-182-186
; Sequence 186, Application US/10418182
; Publication No. US20030228302A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Crea, Roberto
; TITLE OF INVENTION: UNIVERSAL LIBRARIES FOR IMMUNOGLOBULINS
; FILE REFERENCE: 1551-2001-001
; CURRENT APPLICATION NUMBER: US/10/418,182
; CURRENT FILING DATE: 2003-04-16
; PRIOR APPLICATION NUMBER: 60/373,558
; PRIOR FILING DATE: 2002-04-17
; NUMBER OF SEQ ID NOS: 423
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide
US-10-418-182-186

Query Match          7.8%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1743 CTCCTCCCTATCCT 1756
Db 1 CTCCTCCCTTCTCCT 14

RESULT 623
US-09-965-876A-15/c
; Sequence 15, Application US/09965876A
; Publication No. US20030096243A1
; GENERAL INFORMATION:
; APPLICANT: Cellomics, Inc.
; APPLICANT: Busa, William B.
; TITLE OF INVENTION: Methods and Reagents for Live-cell Gene Expression Quantification
; FILE REFERENCE: 00-789-A
; CURRENT APPLICATION NUMBER: US/09/965,876A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US 60/236,407
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: RNA
; ORGANISM: ARTIFICIAL SEQUENCE
; FEATURE:
; OTHER INFORMATION: synthetic oligonucleotide
US-09-965-876A-15

Query Match          7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1661 AGGCTCACAGCTGG 1674
Db 16 AGGCTCAGATCTGG 3

RESULT 624
US-09-882-945A-268/c
; Sequence 268, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
```

```
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 268
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-268
```

```
Query Match          7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1685 TCTCTCCAGCGTG 1698
Db 16 TCTCTCCATCATG 3
```

```
RESULT 625
US-10-087-082-6
; Sequence 6, Application US/10087082
; Publication No. US20020160404A1
; GENERAL INFORMATION:
; APPLICANT: Dietmaier, Wolfgang
; APPLICANT: Ruschoff, Josef
; TITLE OF INVENTION: IMPROVED METHOD OF PRIMER-EXTENSION PREAMPLIFICATION PCR
; FILE REFERENCE: 4802
; CURRENT APPLICATION NUMBER: US/10/087,082
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: DE 198 13 317.0
; PRIOR FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence: Primer for Human genomic sequence
US-10-087-082-6
```

```
Query Match          7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1713 AGGAGTACGGAGAT 1726
Db 2 AGCAGTAGGAGAT 15
```

```
RESULT 626
US-10-123-731-8
; Sequence 8, Application US/10123731
; Publication No. US20030195138A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: BAP-1: Methods of Assaying for Cell Cycle Modulators
; FILE REFERENCE: 021044-003500US
; CURRENT APPLICATION NUMBER: US/10/123,731
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:BstXI linker
US-10-123-731-8
```

```
Query Match      7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1691 CCAGCGTGGTGGAA 1704
Db 1 CCAGTGTGCTGGAA 14

RESULT 627
US-10-138-674-5803
; Sequence 5803, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5803
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5803

Query Match      7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 64.3%; Pred. No. 3.2e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1746 CTCCTATCTCTAAA 1759
Db 1 CUCCUUAUCCGAAA 14

RESULT 628
US-10-138-674-5880
; Sequence 5880, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5880
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5880

Query Match      7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 64.3%; Pred. No. 3.2e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1738 CCCAACTCTCTCCT 1751
Db 1 CUCAACUCCUGCCU 14
```

```
RESULT 629
US-10-138-674-5912/c
; Sequence 5912, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5912
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5912

Query Match      7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1692 CAGCGTGGTGGAA 1705
Db 14 CAGCGTGGTGGTAG 1

RESULT 630
US-10-287-949A-5803
; Sequence 5803, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5803
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5803

Query Match      7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 64.3%; Pred. No. 3.2e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1746 CTCCTATCTCTAAA 1759
Db 1 CUCCUUAUCCGAAA 14

RESULT 631
US-10-287-949A-5880
; Sequence 5880, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
```

```
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5880
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5880

Query Match          7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 64.3%; Pred. No. 3.2e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1738 CCCAACTCTCCCT 1751
Db 1 CUCAACUCCUGCCU 14

RESULT 632
US-10-287-949A-5912/c
; Sequence 5912, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5912
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5912

Query Match          7.8%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1692 CAGCGTGTGGAAG 1705
Db 14 CAGCGTGTGCTAG 1

RESULT 633
US-09-877-478-2360
; Sequence 2360, Application US/09877478
; Publication No. US2003006801A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
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```
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2360
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2360

Query Match          7.6%; Score 10.6; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 3.8e+02;
Matches 10; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1694 GCGTGTGGAAGTTGG 1710
Db 1 GAGUGGAGGAGUUGGG 17

RESULT 634
US-10-342-902-2360
; Sequence 2360, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2360
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-2360

Query Match          7.6%; Score 10.6; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 3.8e+02;
Matches 10; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1694 GCGTGTGGAAGTTGG 1710
Db 1 GAGUGGAGGAGUUGGG 17
```

RESULT 635
US-10-669-841-2163
; Sequence 2163, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS B VIRUS WRAPPER
; FILE REFERENCE: 400/042US (MEH02-249-E)
; CURRENT FILING DATE: 2003-09-23
; PRIOR FILING DATE: 2003-09-23
; PRIOR FILING DATE: 2002-03-26
; PRIOR FILING DATE: 2002-03-26
; PRIOR FILING DATE: 2001-06-08
; PRIOR FILING DATE: 2001-06-08
; PRIOR FILING DATE: 2001-10-24
; PRIOR FILING DATE: 2001-10-24
; PRIOR FILING DATE: 2001-12-05
; PRIOR FILING DATE: 2001-12-05
; PRIOR FILING DATE: 2002-02-20
; PRIOR FILING DATE: 2002-02-20
; PRIOR FILING DATE: 2002-03-11
; PRIOR FILING DATE: 2002-03-11
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2000-12-18
; PRIOR FILING DATE: 2000-12-18
; PRIOR FILING DATE: 2000-07-07
; PRIOR FILING DATE: 2000-07-07
; PRIOR FILING DATE: 2000-02-15
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 2163
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-2163
Query Match 7.6%; Score 10.6; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 3.8e+02;
Matches 10; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1694 GCGTGGTGAAGTTGGG 1710
DB 1 GAGUGGAGGAGUUGGG 17
RESULT 636
US-10-061-201-1960/c
; Sequence 1960, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1961
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1961
Query Match 7.6%; Score 10.6; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 3.8e+02;
Matches 13; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1960
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1960
Query Match 7.6%; Score 10.6; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 3.8e+02;
Matches 13; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1733 TGGCTCCCACTCTCC 1749
DB 17 TGGACCCATCTCCACC 1
RESULT 637
US-10-061-201-1961/c
; Sequence 1961, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1961
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1961
Query Match 7.6%; Score 10.6; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 3.8e+02;
Matches 13; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
QY 1732 TTGGCTCCCACTGCTC 1748
Db 17 TTGGACCCCACTCTCCAC 1

RESULT 638
US-10-251-117-717/c
; Sequence 1024, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
; FILE REFERENCE: 900/042 (MBHB02-468-A)
; CURRENT APPLICATION NUMBER: US/10/251,117
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/163,552
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 09/916,466
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: US 60/296,249
; PRIOR FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 1213
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 717
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siRNA sense
US-10-251-117-717

Query Match 7.6%; Score 10.6; DB 1; Length 19;
Best Local Similarity 76.5%; Pred. No. 4.7e+02;
Matches 13; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1687 TCCTCAGCGTGTGGA 1703
Db 18 TTCTCAGGATGGAGGA 2

RESULT 639
US-10-251-117-1024
; Sequence 1024, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
; FILE REFERENCE: 900/042 (MBHB02-468-A)
; CURRENT APPLICATION NUMBER: US/10/251,117
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/163,552
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 09/916,466
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: US 60/296,249
; PRIOR FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 1213
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1024
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-251-117-1024

Query Match 7.6%; Score 10.6; DB 1; Length 19;
Best Local Similarity 58.8%; Pred. No. 4.7e+02;
Matches 10; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1687 TCCTCCAGCGTGTGGA 1703
Db 2 UUCCAGGAGGAGGA 18

RESULT 640
US-10-027-632-51889/c
; Sequence 51889, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51889
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Human
; OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-027-632-51889

Query Match 7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1721 GGAGATGGAGATTG 1734
Db 14 KGAGATGCAGATAG 1

RESULT 641
US-10-027-632-51889/c
; Sequence 51889, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
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Mon Aug 30 09:26:47 2004

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; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51889
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-51889

Query Match      7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      1721 GGAGATGGAGATTG 1734
Db      14 KGAGATGCAGATAG 1

RESULT 642
US-10-027-632-51894/c
; Sequence 51894, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51894
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-51894

Query Match      7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      1721 GGAGATGGAGATTG 1734
Db      14 KGAGATGCAGATAG 1

RESULT 643
US-10-027-632-51894/c
; Sequence 51894, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51894
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-51894

Query Match      7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      1721 GGAGATGGAGATTG 1734
Db      14 KGAGATGCAGATAG 1

RESULT 643
US-10-027-632-51894/c
; Sequence 51894, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51894
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-51894

Query Match      7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      1721 GGAGATGGAGATTG 1734
Db      14 KGAGATGCAGATAG 1

RESULT 643
US-10-027-632-51894/c
; Sequence 51894, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51894
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-51894

Query Match      7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      1721 GGAGATGGAGATTG 1734
Db      14 KGAGATGCAGATAG 1

RESULT 644
US-10-146-058-90/c
; Sequence 90, Application US/10146058
; Publication No. US20030040499A1
; GENERAL INFORMATION:
; APPLICANT: Brysch, Wolfgang
; APPLICANT: Schlingensiepen, Karl-Hermann
; APPLICANT: Schlingensiepen, Reimar
; APPLICANT: Bogdahn, Ulrich
; TITLE OF INVENTION: Antisense-oligonucleotides for the treatment of
; immunosuppressive effect of transforming-growth-factor beta
; CORRESPONDENCE ADDRESS: 137
; ADDRESSEE: Jacobson, Price, Holman & Stern
; STREET: 400 Seventh St. N.W.
; CITY: Washington D.C.
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/146,058
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/535,249
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 93 107 089.0
; FILING DATE: 30-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 93 107 849.7

```


; FILING DATE: 13-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: 10577/P58418
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)638-6666
; TELEFAX: (202) 393-5350
; TELEX: RCA 248593 IDEA UR
; INFORMATION FOR SEQ ID NO: 90:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: YES
US-10-146-058-90

Query Match 7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1644 AGCAGAAGGCAA 1655
| | | | | | | | | |
Db 14 AGCAGAAGGCGA 3

RESULT 645
US-10-376-770-65
; Sequence 65, Application US/10376770
; Publication No. US20040106102A1
; GENERAL INFORMATION:
; APPLICANT: Dhallan, Ravinder S.
; TITLE OF INVENTION: RAPID ANALYSIS OF VARIATIONS IN A GENOME
; FILE REFERENCE: 543312000320
; CURRENT APPLICATION NUMBER: US/10/376,770
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 10/093,618
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/360,232
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 60/378,354
; PRIOR FILING DATE: 2002-05-08
; NUMBER OF SEQ ID NOS: 262
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 4
; OTHER INFORMATION: This nucleotide may be absent
US-10-376-770-65

Query Match 7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1644 AGCAGAAGGCAA 1655
| | | | | | | | | |
Db 1 ACCAGAAGGCAA 12

RESULT 646
US-10-661-165-65
; Sequence 65, Application US/10661165
; Publication No. US20040137470A1
; GENERAL INFORMATION:
; APPLICANT: Dhallan, Ravinder S.
; TITLE OF INVENTION: METHODS FOR DETECTION OF GENETIC
; DISORDERS

; FILE REFERENCE: 543312000420
; CURRENT APPLICATION NUMBER: US/10/661,165
; CURRENT FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: PCT/US03/06198
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/378,354
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US 10/093,618
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/360,232
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: PCT/US03/27308
; PRIOR FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US 10/376,770
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 628
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 4
; OTHER INFORMATION: This nucleotide may be absent
US-10-661-165-65

Query Match 7.5%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1644 AGCAGAAGGCAA 1655
| | | | | | | | | |
Db 1 ACCAGAAGGCAA 12

RESULT 647
US-09-504-231A-361/c
; Sequence 361, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: rpi 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 361
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-361

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
QY 1695 CGTGGTGGAGT 1706
Db 15 CGTAGTGGAGT 4

RESULT 648
US-09-504-231A-951
; Sequence 951, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: rpi 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 951
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-951

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 75.0%; Pred. No. 3.2e+02;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1688 CCTCCAGCGTGG 1699
Db 1 CCUCCAUCCUGG 12

RESULT 649
US-09-274-553D-361/c
; Sequence 361, Application US/09274553D
; Patent No. US20020082225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: rpi 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 361
; LENGTH: 15
; TYPE: RNA
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-361

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1695 CGTGGTGGAGT 1706
Db 15 CGTAGTGGAGT 4

RESULT 650
US-09-274-553D-951
; Sequence 951, Application US/09274553D
; Patent No. US20020082225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: rpi 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 951
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-951

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 75.0%; Pred. No. 3.2e+02;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1688 CCTCCAGCGTGG 1699
Db 1 CCUCCAUCCUGG 12

RESULT 651
US-09-877-478-5948
; Sequence 5948, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBE00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
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;; PRIOR FILING DATE: 2000-08-09
;; PRIOR APPLICATION NUMBER: US 09/696,347
;; PRIOR FILING DATE: 2000-10-24
;; PRIOR APPLICATION NUMBER: US 08/193,627
;; PRIOR FILING DATE: 1994-02-07
;; PRIOR APPLICATION NUMBER: US 08/433,993
;; PRIOR FILING DATE: 1995-05-04
;; PRIOR APPLICATION NUMBER: US 08/434,504
;; PRIOR FILING DATE: 1995-05-04
;; PRIOR APPLICATION NUMBER: US 09/436,430
;; PRIOR FILING DATE: 1999-11-08
;; NUMBER OF SEQ ID NOS: 6586
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 5948
;; LENGTH: 15
;; TYPE: RNA
;; ORGANISM: Hepatitis B virus
US-09-877-478-5948

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1680 TGGTGTCTCTC 1691
: |:|:|:|:
Db 2 UUGUGUCUCC 13

RESULT 652
US-10-342-902-5948
;; Sequence 5948, Application US/10342902
;; Publication No. US20040054156A1
;; GENERAL INFORMATION:
;; APPLICANT: Sirna Therapeutics, Inc.
;; APPLICANT: Draper, Kenneth
;; APPLICANT: Blatt, Larry
;; APPLICANT: McSwiggen, Jim
;; APPLICANT: Morrissey, Dave
;; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
;; FILE REFERENCE: 400/075 (MBH00-845-1)
;; CURRENT APPLICATION NUMBER: US/10/342,902
;; CURRENT FILING DATE: 2003-01-15
;; PRIOR APPLICATION NUMBER: US 09/877,478
;; PRIOR FILING DATE: 2001-06-08
;; PRIOR APPLICATION NUMBER: US 09/531,025
;; PRIOR FILING DATE: 2000-03-20
;; PRIOR APPLICATION NUMBER: US 09/636,385
;; PRIOR FILING DATE: 2000-08-09
;; PRIOR APPLICATION NUMBER: US 09/696,347
;; PRIOR FILING DATE: 2000-10-24
;; PRIOR APPLICATION NUMBER: US 08/193,627
;; PRIOR FILING DATE: 1994-02-07
;; PRIOR APPLICATION NUMBER: US 07/882,712
;; PRIOR FILING DATE: 1992-05-14
;; PRIOR APPLICATION NUMBER: US 09/436,430
;; PRIOR FILING DATE: 1999-11-08
;; NUMBER OF SEQ ID NOS: 6592
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 5948
;; LENGTH: 15
;; TYPE: RNA
;; ORGANISM: Hepatitis B virus
US-10-342-902-5948

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1680 TGGTGTCTCTC 1691
: |:|:|:|:
Db 2 UUGUGUCUCC 13

RESULT 653
US-10-391-415-8
;; Sequence 8, Application US/10391415
;; Publication No. US20040063922A1
;; GENERAL INFORMATION:
;; APPLICANT: CONRAD, CHARLES A.
;; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CATALYTIC DNA EXCHANGE IN
;; FILE REFERENCE: P02449US2
;; CURRENT APPLICATION NUMBER: US/10/391,415
;; CURRENT FILING DATE: 2003-03-18
;; PRIOR APPLICATION NUMBER: 09/836,136
;; PRIOR FILING DATE: 2001-04-17
;; PRIOR APPLICATION NUMBER: 09/836,126
;; PRIOR FILING DATE: 2001-04-17
;; PRIOR APPLICATION NUMBER: 09/836,366
;; PRIOR FILING DATE: 2001-04-17
;; PRIOR APPLICATION NUMBER: 09/836,608
;; PRIOR FILING DATE: 2001-04-17
;; PRIOR APPLICATION NUMBER: 09/836,358
;; PRIOR FILING DATE: 2001-04-17
;; PRIOR APPLICATION NUMBER: 60/197,859
;; PRIOR FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/197,858
;; PRIOR FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/197,856
;; PRIOR FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/197,860
;; PRIOR FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/197,857
;; PRIOR FILING DATE: 2000-04-14
;; NUMBER OF SEQ ID NOS: 29
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 8
;; LENGTH: 15
;; TYPE: DNA
;; ORGANISM: Artificial Sequence

;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-391-415-8

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1729 AGATTGGCTCCC 1740
: |:|:|:|:|:
Db 4 AGTTGGCTCCC 15

RESULT 654
US-10-056-414-211/c
;; Sequence 211, Application US/10056414
;; Publication No. US20030003469A1
;; GENERAL INFORMATION:
;; APPLICANT: Stinchcomb, Dan T.
;; APPLICANT: Draper, Kenneth G.
;; APPLICANT: McSwiggen, James

;; TITLE OF INVENTION: RIBOZYME TREATMENT OF
;; DISEASES OR CONDITIONS
;; RELATED TO LEVELS OF
;; NF-KB
NUMBER OF SEQUENCES: 830
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/056,414
FILING DATE: 23-Jan-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A
FILING DATE: August 15, 1994
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 211:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 211:
US-10-056-414-211
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1639 CTTGTAGCAGAA 1650
Db 12 CTTGTAGCGGAA 1
RESULT 655
US-10-287-919-793/c
Sequence 793, Application US/10287919
Publication No. US20030085830A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 793
LENGTH: 15
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (301101)...(301115)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 974
US-10-287-919-793
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1741 AACTCTCTCCCTA 1752
Db 13 AACTCTCTCCCTA 2
RESULT 656
US-10-287-919-793/c
Sequence 793, Application US/10287919
Publication No. US20030085830A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 793
LENGTH: 15
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (301101)...(301115)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 974
US-10-287-919-793
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1741 AACTCTCTCCCTA 1752
Db 13 AACTCTCTCCCTA 2
RESULT 656
US-10-287-919-793/c
Sequence 793, Application US/10287919
Publication No. US20030085830A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 793
LENGTH: 15
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (301101)...(301115)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 974
US-10-287-919-793

US-10-202-896-27/c
Sequence 27, Application US/10202896
Publication No. US20030165913A1
GENERAL INFORMATION:
APPLICANT: WANG, SHA-SHA
APPLICANT: THORNTON, KEITH
APPLICANT: NADEAU, JAMES G.
APPLICANT: HELLVER, TOBIN J.
TITLE OF INVENTION: METHODS FOR DETECTING NUCLEIC ACID SEQUENCE VARIATIONS
FILE REFERENCE: 020187.0i49
CURRENT APPLICATION NUMBER: US/10/202,896
CURRENT FILING DATE: 2002-07-06
PRIOR APPLICATION NUMBER: 09/894,788
PRIOR FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: 09/590,691
PRIOR FILING DATE: 2000-06-09
PRIOR APPLICATION NUMBER: 09/335,218
PRIOR FILING DATE: 1999-06-17
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 27
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-202-896-27
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1740 CAACTGCTCCCT 1751
Db 15 CAACTGCTCCCT 4
RESULT 657
US-10-044-674-6
Sequence 6, Application US/10044674
Publication No. US20030175710A1
GENERAL INFORMATION:
APPLICANT: Chew, Anne
APPLICANT: Denton, R. Rex
APPLICANT: Bieglecki, Karyn M
APPLICANT: Nandabalan, Krishnan
APPLICANT: Stephens, J. Claiborne
TITLE OF INVENTION: HAPLOTYPES OF THE TNFRSF11B GENE
FILE REFERENCE: TNFRSF11B MMH-0001US (CIP)
CURRENT APPLICATION NUMBER: US/10/044,674
CURRENT FILING DATE: 2002-01-09
PRIOR APPLICATION NUMBER: PCT/US00/18803
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 94
SOFTWARE: PatentIn version 3.1
SEQ ID NO 6
LENGTH: 15
TYPE: DNA
ORGANISM: Homo sapiens
US-10-044-674-6
Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 78.6%; Pred. No. 3.2e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 1677 CCTGTGTCTCCT 1690
Db 2 CCTGTGTCTCCT 15
RESULT 658
US-10-044-674-56
Sequence 56, Application US/10044674

; Publication No. US20030175710A1
; GENERAL INFORMATION:
; APPLICANT: Chew, Anne
; APPLICANT: Denton, R. Rex
; APPLICANT: Bieganski, Karyn M
; APPLICANT: Nandabalan, Krishnan
; APPLICANT: Stephens, J. Claiborne
; TITLE OF INVENTION: HAPLOTYPES OF THE TNFRSF11B GENE
; FILE REFERENCE: TNFRSF11B-MH-0001US (CIP)
; CURRENT APPLICATION NUMBER: US/10/044,674
; CURRENT FILING DATE: 2002-01-09
; PRIOR APPLICATION NUMBER: PCT/US00/18803
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 56
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-044-674-56

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1640 TTGTATCAGAG 1651
|||||
Db 2 TTGTATCAGAG 13

RESULT 659
US-10-440-850-645
; Sequence 645, Application US/10440850
; Publication No. US2003020787A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reversal
; FILE REFERENCE: 250/130 (MBH00-900-A)
; CURRENT APPLICATION NUMBER: US/10/440,850
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: US/09/650,012
; PRIOR FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 08/585,684
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: US 60/000,951
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: US 09/038,073
; NUMBER OF SEQ ID NOS: 2285
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 645
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-440-850-645

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 3.2e+02;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1636 GGGCTGTAGCA 1647
|||||
Db 3 GGGCUUGUAUCA 14

RESULT 660
US-10-333-068-114/c
; Sequence 114, Application US/10333068
; Publication No. US20040101863A1

; GENERAL INFORMATION:
; APPLICANT: HATTORI, Hiroaki
; TITLE OF INVENTION: METHOD OF DETECTING ABNORMALITY OF LIPID METABOLISM
; FILE REFERENCE: Q73807
; CURRENT APPLICATION NUMBER: US/10/333,068
; CURRENT FILING DATE: 2003-01-16
; PRIOR APPLICATION NUMBER: PCT/JP01/06153
; PRIOR FILING DATE: 2001-07-21
; PRIOR APPLICATION NUMBER: JPA 2000-218039
; PRIOR FILING DATE: 2000-07-18
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 114
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Hominidae
; NAME/KEY: misc feature
; LOCATION: (8)-(8)
; OTHER INFORMATION: n is a, c, g, or t
US-10-333-068-114

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1631 GGATGGGCTTGT 1643
|||||
Db 13 GGATGGGCTTGT 1

RESULT 661
US-10-376-770-211/c
; Sequence 211, Application US/10376770
; Publication No. US20040106102A1
; GENERAL INFORMATION:
; APPLICANT: Dhallan, Ravinder S.
; TITLE OF INVENTION: RAPID ANALYSIS OF VARIATIONS IN A GENOME
; FILE REFERENCE: 543312000320
; CURRENT APPLICATION NUMBER: US/10/376,770
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 10/093,618
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/360,232
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 60/378,354
; PRIOR FILING DATE: 2002-05-08
; NUMBER OF SEQ ID NOS: 262
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: 5
; OTHER INFORMATION: This nucleotide may be absent
US-10-376-770-211

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1666 CACAGCTGGAC 1677
|||||
Db 12 CACTGCTGGAC 1

RESULT 662
US-10-669-841-2351
; Sequence 2351, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, Macejak
APPLICANT: James, McSwiggen
APPLICANT: David, Morrissey
APPLICANT: Pamela, Pavco
APPLICANT: Patricia, Lee
APPLICANT: Kenneth, Draper
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS B VIRUS
FILE REFERENCE: 400/042US (WBH02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR FILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 09/817,879
PRIOR FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: US 09/740,332
PRIOR FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: US 09/611,931
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 09/504,321
PRIOR FILING DATE: 2000-02-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 16207
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2351
LENGTH: 15
TYPE: RNA
ORGANISM: Hepatitis B Virus
US-10-669-841-2351

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 1680 TGGTGTCTCTC 1691
Db 2 UUGUUCUCCUC 13

RESULT 663
US-10-661-165-211/c
Sequence 211, Application US/10661165
Publication No. US20040137470A1
GENERAL INFORMATION:
APPLICANT: Dhallan, Ravinder S.
TITLE OF INVENTION: METHODS FOR DETECTION OF GENETIC DISORDERS
FILE REFERENCE: 543312000420
CURRENT APPLICATION NUMBER: US/10/661,165
CURRENT FILING DATE: 2003-09-11
PRIOR APPLICATION NUMBER: PCT/US03/06198
PRIOR FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/378,354
PRIOR FILING DATE: 2002-05-08
PRIOR APPLICATION NUMBER: US 10/093,618
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/360,232
PRIOR FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: PCT/US03/27308
PRIOR FILING DATE: 2003-08-29

PRIOR APPLICATION NUMBER: US 10/376,770
PRIOR FILING DATE: 2003-02-28
NUMBER OF SEQ ID NOS: 628
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 211
LENGTH: 15
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 5
OTHER INFORMATION: This nucleotide may be present
US-10-661-165-211

Query Match 7.5%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1666 CACAGCTGGAAC 1677
Db 12 CACTGCTGGAAC 1

RESULT 664
US-10-227-719D-12
Sequence 12, Application US/10227719D
Publication No. US20030143578A1
GENERAL INFORMATION:
APPLICANT: Pruitt, Steven
TITLE OF INVENTION: A High Throughput Method for Identification of Sequence Tags
FILE REFERENCE: 03551.0108
CURRENT APPLICATION NUMBER: US/10/227,719D
CURRENT FILING DATE: 2002-08-26
PRIOR APPLICATION NUMBER: US/60/314,991
PRIOR FILING DATE: 2001-08-24
NUMBER OF SEQ ID NOS: 13
SEQ ID NO 12
LENGTH: 16
TYPE: DNA
ORGANISM: mus musculus
FEATURE:
OTHER INFORMATION: exon from actin binding protein
US-10-227-719D-12

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1740 CAACTCTCTCCCT 1751
Db 5 CATCTCTCTCCCT 16

RESULT 665
US-10-092-208-2
Sequence 2, Application US/10092208
Publication No. US20030170637A1
GENERAL INFORMATION:
APPLICANT: Kim, Hyunsoo
APPLICANT: Pirrung, Michael C.
TITLE OF INVENTION: METHOD OF ANALYZING mRNA SPLICE VARIANTS USING ARRAYED PRIMER EXTENSION
FILE REFERENCE: 5405-274
CURRENT APPLICATION NUMBER: US/10/092,208
CURRENT FILING DATE: 2002-03-06
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 16
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Oligonucleotide V3.

US-10-092-208-2

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1732 TTGGCTCCCAAC 1743
|||||
DB 4 TTGGCTCCAGC 15

RESULT 666

US-10-091-281-124/c
; Sequence 124, Application US/10091281
; Publication No. US20030190617A1
; GENERAL INFORMATION:
; APPLICANT: RAYMOND, VINCENT
; APPLICANT: SI, ERWIN
; APPLICANT: MORISSETTE, JEAN
; TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
; FILE REFERENCE: 13587.338
; CURRENT APPLICATION NUMBER: US/10/091.281
; CURRENT FILING DATE: 2002-03-06
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 124
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Putative AHRH/AHRARNT.01 motif
US-10-091-281-124

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1650 AGGCAAGCACCA 1661
|||||
DB 16 AGGCACGCACCA 5

RESULT 667

US-10-331-109-11
; Sequence 11, Application US/10331109
; Publication No. US20030215891A1
; GENERAL INFORMATION:
; APPLICANT: Bickel, et al.
; TITLE OF INVENTION: Method for the qualitative and/or quantitative detection of mole
; FILE REFERENCE: 12671/1
; CURRENT APPLICATION NUMBER: US/10/331.109
; PRIOR APPLICATION NUMBER: 2002-12-27
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 100 33 334.6
; PRIOR FILING DATE: 2000-07-01
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Description of the artificial sequence:
; OTHER INFORMATION: Oligonucleotide probe
US-10-331-109-11

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1636 GGGCTTGAGCA 1647

DB 2 GGGCTTTAGCA 13
|||||

RESULT 668

US-10-138-674-5910
; Sequence 5910, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138.674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5910
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-5910

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1648 GAAGGCAAGCAC 1659
|||||
DB 1 GAAGGCAAGCGC 12

RESULT 669

US-10-138-674-7125/c
; Sequence 7125, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138.674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7125
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-7125

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1650 AGGCAAGCACCA 1661
|||||
DB 14 AGGCAAGCACCA 3

RESULT 670

US-10-407-807-32/c
; Sequence 32, Application US/10407807
; Publication No. US20040096848A1
; GENERAL INFORMATION:

; APPLICANT: THRU, CHARLOTTE ALBAEK
; APPLICANT: HOG, ANJA MOLHART
; APPLICANT: KRISTJANSEN, PAUL E.G.
; TITLE OF INVENTION: OLIGOMERIC COMPOUNDS FOR THE MODULATION HIF-1ALPHA
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: 57390 (45120)
; CURRENT APPLICATION NUMBER: US/10/407,807
; CURRENT FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: 60/370,126
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 32
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-407-807-32

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1696 GTGTGGGAAGTT 1707
Db 16 GTTGTGGGAAGTT 5
|||||

RESULT 671
US-10-287-949A-5910
; Sequence 5910, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5910
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5910

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1648 GAAGGCAAGCAC 1659
Db 1 GAAGGCAAGCGC 12
|||||

RESULT 672
US-10-287-949A-7125/c
; Sequence 7125, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Favco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7125
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-7125

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1650 AGGCAAGCACCA 1661
Db 14 AGGCAAGAACCA 3
|||||

RESULT 673
US-10-459-184-37/c
; Sequence 37, Application US/10459184
; Publication No. US20040110173A1
; GENERAL INFORMATION:
; APPLICANT: University of Wales College of Medicine
; APPLICANT: COOPER, David N
; APPLICANT: PROCTER, Anne M
; APPLICANT: MILLAR, David S
; APPLICANT: GREGORY, John
; TITLE OF INVENTION: Haplotype Partitioning in the Proximal Promoter of the Human Growth
; TITLE OF INVENTION: Hormone (GH1) Gene
; FILE REFERENCE: WCM.102A
; CURRENT APPLICATION NUMBER: US/10/459,184
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: GB 0229725.7
; PRIOR FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: GB 0306417.7
; PRIOR FILING DATE: 2003-03-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 37
; LENGTH: 16
; TYPE: DNA
; ORGANISM: human
US-10-459-184-37

Query Match 7.5%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1744 TCCTCCCTATCC 1755
Db 15 TCCTCCCTAACCC 4
|||||

RESULT 674
US-09-877-478-2363/c
; Sequence 2363, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14

;; PRIOR APPLICATION NUMBER: US 09/531,025
;; PRIOR FILING DATE: 2000-03-20
;; PRIOR APPLICATION NUMBER: US 09/636,385
;; PRIOR FILING DATE: 2000-08-09
;; PRIOR APPLICATION NUMBER: US 09/696,347
;; PRIOR FILING DATE: 2000-10-24
;; PRIOR APPLICATION NUMBER: US 08/193,627
;; PRIOR FILING DATE: 1994-02-07
;; PRIOR APPLICATION NUMBER: US 08/433,993
;; PRIOR FILING DATE: 1995-05-04
;; PRIOR APPLICATION NUMBER: US 08/434,504
;; PRIOR FILING DATE: 1995-05-04
;; PRIOR APPLICATION NUMBER: US 09/436,430
;; PRIOR FILING DATE: 1999-11-08
;; NUMBER OF SEQ ID NOS: 6586
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 2363
;; LENGTH: 17
;; TYPE: RNA
;; ORGANISM: Hepatitis B virus
US-09-877-478-2363

Query Match 7.5%; Score 10.4; DB 1; Length 17;
Best Local Similarity 91.7%; Pred. No. 4.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCTCAACTCCT 1747
Db | ||||| |||||
12 CCCCCCAACTCCT 1

RESULT 675
US-10-342-902-2363/c
;; Sequence 2363, Application US/10342902
;; Publication No. US20040054156A1
;; GENERAL INFORMATION:
;; APPLICANT: Sirna Therapeutics, Inc.
;; APPLICANT: Blatt, Larry
;; APPLICANT: McSwiggen, Jim
;; APPLICANT: Morrissey, Dave
;; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
;; FILE REFERENCE: 400/075 (MBH00-845-I)
;; CURRENT APPLICATION NUMBER: US/10/342,902
;; CURRENT FILING DATE: 2003-01-15
;; PRIOR APPLICATION NUMBER: US 09/877,478
;; PRIOR FILING DATE: 2001-06-08
;; PRIOR APPLICATION NUMBER: US 09/531,025
;; PRIOR FILING DATE: 2000-03-20
;; PRIOR APPLICATION NUMBER: US 09/636,385
;; PRIOR FILING DATE: 2000-08-09
;; PRIOR APPLICATION NUMBER: US 09/696,347
;; PRIOR FILING DATE: 2000-10-24
;; PRIOR APPLICATION NUMBER: US 08/193,627
;; PRIOR FILING DATE: 1994-02-07
;; PRIOR APPLICATION NUMBER: US 07/892,712
;; PRIOR FILING DATE: 1992-05-14
;; PRIOR APPLICATION NUMBER: US 09/436,430
;; PRIOR FILING DATE: 1999-11-08
;; NUMBER OF SEQ ID NOS: 6592
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 2363
;; LENGTH: 17
;; TYPE: RNA
;; ORGANISM: Hepatitis B virus
US-10-342-902-2363

Query Match 7.5%; Score 10.4; DB 1; Length 17;
Best Local Similarity 91.7%; Pred. No. 4.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCTCAACTCCT 1747
| ||||| |||||

Db 12 CCCCCCAACTCCT 1

RESULT 676
US-10-669-841-2166/c
;; Sequence 2166, Application US/10669841
;; Publication No. US20040127446A1
;; GENERAL INFORMATION:
;; APPLICANT: Sirna Therapeutics, Inc.
;; APPLICANT: Lawrence, Blatt
;; APPLICANT: Dennis, Macejak
;; APPLICANT: James, McSwiggen
;; APPLICANT: David, Morrissey
;; APPLICANT: Pamela, Favco
;; APPLICANT: Patricia, Lee
;; APPLICANT: Kenneth, Draper
;; APPLICANT: Elisabeth, Roberts
;; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS B VIRUS REPLICATION
;; FILE REFERENCE: 400/042US (MBH02-249-E)
;; CURRENT APPLICATION NUMBER: US/10/669,841
;; CURRENT FILING DATE: 2003-09-23
;; PRIOR APPLICATION NUMBER: PCT/US02/09187
;; PRIOR FILING DATE: 2002-03-26
;; PRIOR APPLICATION NUMBER: US 60/296,876
;; PRIOR FILING DATE: 2001-06-08
;; PRIOR APPLICATION NUMBER: US 60/335,059
;; PRIOR FILING DATE: 2001-10-24
;; PRIOR APPLICATION NUMBER: US 60/337,055
;; PRIOR FILING DATE: 2001-12-05
;; PRIOR APPLICATION NUMBER: US 60/358,580
;; PRIOR FILING DATE: 2002-02-20
;; PRIOR APPLICATION NUMBER: US 60/363,124
;; PRIOR FILING DATE: 2002-03-11
;; PRIOR APPLICATION NUMBER: US 09/817,879
;; PRIOR FILING DATE: 2001-03-26
;; PRIOR APPLICATION NUMBER: US 09/740,332
;; PRIOR FILING DATE: 2000-12-18
;; PRIOR APPLICATION NUMBER: US 09/611,931
;; PRIOR FILING DATE: 2000-07-07
;; PRIOR APPLICATION NUMBER: US 09/504,321
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 16207
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 2166
;; LENGTH: 17
;; TYPE: RNA
;; ORGANISM: Hepatitis B Virus
US-10-669-841-2166

Query Match 7.5%; Score 10.4; DB 1; Length 17;
Best Local Similarity 91.7%; Pred. No. 4.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1736 CTCCTCAACTCCT 1747
Db | ||||| |||||
12 CCCCCCAACTCCT 1

RESULT 677
US-10-114-824A-52/c
;; Sequence 52, Application US/10114824A
;; Publication No. US20030196215A1
;; GENERAL INFORMATION:
;; APPLICANT: JOSELYNE OLIVIER
;; TITLE OF INVENTION: No. US20030196215A1e1 Class of Proteins and Uses Thereof for Plant
;; FILE REFERENCE: CHEP:006US
;; CURRENT APPLICATION NUMBER: US/10/114,824A
;; CURRENT FILING DATE: 2002-08-16
;; NUMBER OF SEQ ID NOS: 61
;; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 52
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-114-824A-52

Query Match 7.5%; Score 10.4; DB 1; Length 18;
Best Local Similarity 91.7%; Pred. No. 4.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1719 ACGGAGATGGAG 1730
Db 17 ACGGAGATGGAG 6
||||| |||||

RESULT 678
US-10-224-005-20
; Sequence 20, Application US/10224005
; Publication No. US20030143732A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Fossnaugh, Kathy
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (AD
; FILE REFERENCE: 900/041 (MBHB01-1110-A)
; CURRENT APPLICATION NUMBER: US/10/224,005
; CURRENT FILING DATE: 2002-08-20
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 347
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA sense
US-10-224-005-20

Query Match 7.5%; Score 10.4; DB 1; Length 19;
Best Local Similarity 66.7%; Pred. No. 5e+02;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1631 GGATGGGCGCTTG 1642
Db 5 GGAUGGUGCUUG 16
|||:| |||:|

RESULT 679
US-10-224-005-181/c
; Sequence 181, Application US/10224005
; Publication No. US20030143732A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fossnaugh, Kathy
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (AD
; FILE REFERENCE: 900/041 (MBHB01-1110-A)
; CURRENT APPLICATION NUMBER: US/10/224,005
; CURRENT FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 347
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 181
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-224-005-181

Query Match 7.5%; Score 10.4; DB 1; Length 19;
Best Local Similarity 91.7%; Pred. No. 5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1631 GGATGGGCGCTTG 1642
Db 15 GGATGGTGTCTTG 4
||||| |||||

RESULT 680
US-09-864-785-3708
; Sequence 3708, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: 400/022 (MBHB00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3708
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-3708

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 60.0%; Pred. No. 3.4e+02;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 1685 TCTCTCCAGCGTGG 1699
Db 1 UCUCUCCAUUGCGG 15
:|:|:|:|:|:|

RESULT 681
US-09-877-478-5955
; Sequence 5955, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Lave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08

```
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5955
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-5955

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 3.4e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1682 GTGTCTCTCCAGCG 1696
   |||::|||::||
Db 1 GUGUCUCCUGCGG 15

RESULT 682
US-09-877-478-6533
; Sequence 6533, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MEH000-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6533
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-6533

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 3.4e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1698 GTGGAGGAGTTGGTT 1712
   |||::|||::||
Db 1 GGAGGAGGUUAGGU 15

RESULT 683
US-09-943-983-61/c
; Sequence 61, Application US/09943983
; Publication No. US20030077575A1
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
```

```
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,983
; FILING DATE: 31-Aug-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/913,833
; FILING DATE: 1997-09-15
; APPLICATION NUMBER: EP 96870005.4
; FILING DATE: 26 Jan 1996
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-943-983-61

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1691 CCAGCGTGTGGAAG 1705
   |||::|||::||
Db 15 CCATCCTTGTGGAAG 1

RESULT 684
US-09-093-972C-579
; Sequence 579, Application US/09093972C
; Publication No. US20030087845A1
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
; BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
; NUMBER OF SEQUENCES: 996
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
; STREET: 7 Clarke Drive
; CITY: Cranbury
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 08512
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,972C
```

FILING DATE: 09-Jun-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
NAME: Anzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 579:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (Genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 579:
US-09-093-972C-579

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATTGGC 1736
|||||
DB 1 GAGATGGAGCGGC 15

RESULT 685
US-09-740-332-4786/c
Sequence 4786, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4786
LENGTH: 15
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION:
OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4786

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1711 TTAGGAGTACGGAGA 1725
|||||
DB 15 TGAGGAGTACGTGGA 1

RESULT 686
US-09-740-332-4796/c
Sequence 4796, Application US/09740332

Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4796
LENGTH: 15
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION:
OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4796

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1713 AGGAGTACGGAGATG 1727
|||||
DB 15 AGGAGTACGTGAGG 1

RESULT 687
US-09-817-879-4786/c
Sequence 4786, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
FILE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4786
LENGTH: 15
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION:
OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4786

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1711 TTAGGAGTACGGAGA 1725
|||||
DB 15 TGAGGAGTACGTGGA 1

RESULT 688
US-09-817-879-4796/c
Sequence 4796, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
FILE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703

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; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4796
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4796

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1713 AGGAGTACGAGATG 1727
Db 15 AGGAGTACGTGGAGG 1

RESULT 689
US-09-835-694-19
; Sequence 19, Application US/09835694
; Publication No. US20040087521A1
; GENERAL INFORMATION:
; APPLICANT: DONNELLY, JOHN J.
; LIU, MARGARET A.
; MONTGOMERY, DONNA L.
; PARKER, SUEZANNE E.
; SHIVER, JOHN W.
; ULMER, JEFFREY B.
; TITLE OF INVENTION: NUCLEIC ACID PHARMACEUTICALS - INFLUENZA MATRIX
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: J. MARK HAND - MERCK & CO., INC.
; STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
; CITY: RAHWAY
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/835,694
; FILING DATE: 16-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/461,268
; FILING DATE: 05-June-1995
; APPLICATION NUMBER: PCT/US94/02751
; FILING DATE: 14-March-1994
; APPLICATION NUMBER: 08/089,985
; FILING DATE: 08-July-1993
; APPLICATION NUMBER: 08/032,383
; FILING DATE: 18-March-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: HAND, J. MARK
; REGISTRATION NUMBER: 36,545
; REFERENCE/DOCKET NUMBER: 18972PCA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-3905
; TELEFAX: 732-594-4720
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
```

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; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: <Unknown>
; ORIGINAL SOURCE:
; SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-835-694-19

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCAAGCA 1658
Db 1 AGCAGAGGCAAGCA 15

RESULT 690
US-09-835-694-23
; Sequence 23, Application US/09835694
; Publication No. US20040087521A1
; GENERAL INFORMATION:
; APPLICANT: DONNELLY, JOHN J.
; LIU, MARGARET A.
; MONTGOMERY, DONNA L.
; PARKER, SUEZANNE E.
; SHIVER, JOHN W.
; ULMER, JEFFREY B.
; TITLE OF INVENTION: NUCLEIC ACID PHARMACEUTICALS - INFLUENZA MATRIX
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: J. MARK HAND - MERCK & CO., INC.
; STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
; CITY: RAHWAY
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/835,694
; FILING DATE: 16-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/461,268
; FILING DATE: 05-June-1995
; APPLICATION NUMBER: PCT/US94/02751
; FILING DATE: 14-March-1994
; APPLICATION NUMBER: 08/089,985
; FILING DATE: 08-July-1993
; APPLICATION NUMBER: 08/032,383
; FILING DATE: 18-March-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: HAND, J. MARK
; REGISTRATION NUMBER: 36,545
; REFERENCE/DOCKET NUMBER: 18972PCA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-3905
; TELEFAX: 732-594-4720
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
```

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;
; FRAGMENT TYPE: <Unknown>
; ORIGINAL SOURCE:
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-835-694-23

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1644 AGCAGAAGGCAAGCA 1658
Db 1 AGCAGAAGCAGCACGA 15

RESULT 691
US-10-342-902-5955
; Sequence 5955, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwigen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5955
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-5955

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 3.4e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1682 GGTCTCTCCAGCG 1696
Db 1 GUGUCUCCUCCG 15

RESULT 692
US-10-342-902-6533
; Sequence 6533, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwigen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
```

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;
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6533
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-6533

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 3.4e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1698 GGTGAAGTTGGTT 1712
Db 1 GGAGGAGGUAGGU 15

RESULT 693
US-10-339-674-1741/C
; Sequence 1741, Application US/10339674
; Publication No. US20030204318A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Escherichia coli K-12 MG1655 complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/339,674
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 3537
; SOFTWARE: Proprietary
; SEQ ID NO 1741
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Escherichia coli K-12 MG1655 complete genome.
; FEATURE:
; LOCATION: (2353745)...(2353759)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2298
US-10-339-674-1741

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1722 GAGATGGAGATTGGC 1736
Db 15 GATGGAAGATTGGC 1

RESULT 694
US-10-339-674-3176/c
; Sequence 3176, Application US/10339674
; Publication No. US20030204318A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Escherichia coli K-12 MG1655 complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/339,674
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 3537
; SOFTWARE: Proprietary
```

; SEQ ID NO 3176
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Escherichia coli K-12 MG1655 complete genome.
; FEATURE:
; LOCATION: (4251177)...(4251191)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 4212
US-10-339-674-3176

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1722 GAGTGGAGATTGCG 1736
Db 15 GATGGAAGATTGCG 1

RESULT 695
US-10-056-414-340
; Sequence 340, Application US/10056414
; Publication No. US2003003469A1
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; Draper, Kenneth G.
; McSwiggen, James
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; DISEASES OR CONDITIONS
; RELATED TO LEVELS OF
; NF-KB
; NUMBER OF SEQUENCES: 830
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage

COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/056,414
FILING DATE: 23-Jan-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A
FILING DATE: August 15, 1994
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 499-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 340:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 340:
US-10-056-414-340

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 46.7%; Pred. No. 3.4e+02;
Matches 7; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1680 TGGTGCTCTCTCCAG 1694
Db 1 UGGUGUUUCCUUCUG 15

RESULT 696
US-10-043-875-258/c
; Sequence 258, Application US/10043875
; Publication No. US20030054339A1
; GENERAL INFORMATION:
; APPLICANT: De Smet, Koenraad
; APPLICANT: Stuyver, Lieven
; TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
; Transcriptionase Gene
; FILE REFERENCE: 11362-0033-NPUS01 (INNS:033)
; CURRENT APPLICATION NUMBER: US/10/043,875
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: 60/286,102
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: EP 01870085.6
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: EP 01870005.4
; PRIOR FILING DATE: 2001-01-11
; NUMBER OF SEQ ID NOS: 884
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 258
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus
US-10-043-875-258

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1691 CCAGCGTGGTGAAG 1705
Db 15 CCATCCTGTGGAAG 1

RESULT 697
US-10-043-875-262/c
; Sequence 262, Application US/10043875
; Publication No. US20030054339A1
; GENERAL INFORMATION:
; APPLICANT: De Smet, Koenraad
; APPLICANT: Stuyver, Lieven
; TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
; Transcriptionase Gene
; FILE REFERENCE: 11362-0033-NPUS01 (INNS:033)
; CURRENT APPLICATION NUMBER: US/10/043,875
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: 60/286,102
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: EP 01870085.6
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: EP 01870005.4
; PRIOR FILING DATE: 2001-01-11
; NUMBER OF SEQ ID NOS: 884
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 262
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus
US-10-043-875-262

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1690 TCACGCTGTGGAA 1704
|||||
Db 15 TCACCTCTGTGGAA 1

RESULT 698

US-10-156-306-7875
; Sequence 7875, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBH01-664-A (400/950)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7875
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-7875

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 46.7%; Pred. No. 3.4e+02;
Matches 7; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1677 CCCTGGTGTCTCCTC 1691
|||:|:|:|:
Db 1 CCCUUCUGUCGUC 15

RESULT 699

US-10-160-358-31/c
; Sequence 31, Application US/10160358
; Publication No. US20030198969A1
; GENERAL INFORMATION:
; APPLICANT: Genaisance Pharmaceuticals, Inc.
; APPLICANT: Bieglecki, Karyn
; APPLICANT: Cappola, Gina-Marie
; APPLICANT: Koshy, Beena
; APPLICANT: Monroe, Glen
; TITLE OF INVENTION: HAPLOTYPES OF THE TACR2 GENE
; FILE REFERENCE: TACR2 MWH-0225US
; CURRENT APPLICATION NUMBER: US/10/160,358
; CURRENT FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: PCT/US01/47394
; PRIOR FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: 60/247,649
; PRIOR FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-160-358-31

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 TGGAAACCCCTGGTGC 1686
|||||
Db 15 TVGAACCCAGGTTTC 1

RESULT 700

US-10-440-850-282/c
; Sequence 282, Application US/10440850

; Publication No. US20030207837A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reversal of
; TITLE OF INVENTION: Immune Responses
; FILE REFERENCE: 250/130 (MBHB00-900-A)
; CURRENT APPLICATION NUMBER: US/10/440,850
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: US/09/650,012
; PRIOR FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 08/585,684
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: US 60/000,951
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: US 09/038,073
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 2285
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 282
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-440-850-282

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1715 GAGTACGAGATGCA 1729
|||
Db 15 GAGAAAGAGAGGCA 1

RESULT 701

US-10-440-850-497/c
; Sequence 497, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reversal of
; TITLE OF INVENTION: Immune Responses
; FILE REFERENCE: 250/130 (MBHB00-900-A)
; CURRENT APPLICATION NUMBER: US/10/440,850
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: US/09/650,012
; PRIOR FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 08/585,684
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: US 60/000,951
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: US 09/038,073
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 2285
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 497
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-440-850-497

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1644 AGCAGAGGCA 1658
|||||
Db 15 AGCAGAGAGGCA 1


```
RESULT 702
US-10-271-602B-193/c
; Sequence 193, Application US/10271602B
; Publication No. US20040002073A1
; GENERAL INFORMATION:
; APPLICANT: Alice Xiang Li
; APPLICANT: Ghazala Hashmi
; APPLICANT: Michael Seul
; TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
; TITLE OF INVENTION: BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
; FILE REFERENCE: eMAP-US
; CURRENT APPLICATION NUMBER: US/10/271,602B
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/329,427
; PRIOR FILING DATE: 2001-10-14
; PRIOR APPLICATION NUMBER: 60/329,620
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/329,428
; PRIOR FILING DATE: 2001-10-14
; PRIOR APPLICATION NUMBER: 60/329,619
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/364,416
; PRIOR FILING DATE: 2002-03-14
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 193
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe sequence derived from human genomic sequence
US-10-271-602B-193

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACGTGGGAACC 1678
Db 15 CTCACGTGGGAACC 1

RESULT 703
US-10-271-602B-195/c
; Sequence 195, Application US/10271602B
; Publication No. US20040002073A1
; GENERAL INFORMATION:
; APPLICANT: Alice Xiang Li
; APPLICANT: Ghazala Hashmi
; APPLICANT: Michael Seul
; TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
; TITLE OF INVENTION: BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
; FILE REFERENCE: eMAP-US
; CURRENT APPLICATION NUMBER: US/10/271,602B
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/329,427
; PRIOR FILING DATE: 2001-10-14
; PRIOR APPLICATION NUMBER: 60/329,620
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/329,428
; PRIOR FILING DATE: 2001-10-14
; PRIOR APPLICATION NUMBER: 60/329,619
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/364,416
; PRIOR FILING DATE: 2002-03-14
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 195
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe sequence derived from human genomic sequence
US-10-271-602B-195

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACGTGGGAACC 1678
Db 15 CTCACGTGGGAACC 1

RESULT 704
US-10-376-341-211
; Sequence 211, Application US/10376341
; Publication No. US20040002473A1
; GENERAL INFORMATION:
; APPLICANT: KURRECK, Jens
; APPLICANT: ERDMANN, Volker A.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES AGAINST VRL
; FILE REFERENCE: 029310.52142US
; CURRENT APPLICATION NUMBER: US/10/376,341
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: PCT/EP01/10081
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: 100 43 674.9
; PRIOR FILING DATE: 2000-09-02
; PRIOR APPLICATION NUMBER: 100 43 702.8
; PRIOR FILING DATE: 2000-09-04
; NUMBER OF SEQ ID NOS: 248
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 211
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-376-341-211

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1689 CTCACGGTGGTGA 1703
Db 1 CTCACGGTGGTGA 15

RESULT 705
US-10-669-841-2358
; Sequence 2358, Application US/10669841
; Publication No. US2004012746A1
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Blatt
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HBPAJ
; FILE REFERENCE: 400/042US (WBHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
```

```
; FEATURE:
; OTHER INFORMATION: Probe sequence derived from human genomic sequence
US-10-271-602B-195
```

```
Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1664 CTCACGTGGGAACC 1678
Db 15 CTCACGTGGGAACC 1
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```

; SEQ ID NO 2586
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Hepatitis B virus
; US-10-669-841-2586

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 3.4e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      1698  GGTGGAAAGTTGGTT 1712
DB      1      GGAGGAGGUUAGGUU 15
          ||| |||::||:
          ||| |||::||:

RESULT 707
US-10-669-841-7362/c
; Sequence 7362, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS
; TITLE OF INVENTION: VIRUS REPLICATION
; FILE REFERENCE: 400/042US (MRHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 14207
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 7362
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
; US-10-669-841-7362

Query Match          7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

```

QY 1713 AGGAGTACGGAGATG 1727
Db 15 AGGAGTACGTGGAG 1

RESULT 708
US-10-669-841-7383/c
; Sequence 7383, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEP
; TITLE OF INVENTION: VIRUS REPLICATION
; FILE REFERENCE: 400/042US (WBHB02-249-E)
; CURRENT APPLICATION NUMBER: US/107669,841
; PRIOR FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7383
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-7383

Query Match 7.3%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.4e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1711 TTAGGAGTACGGAGA 1725
Db 15 TCAGGAGTACGTGGA 1

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Search completed: August 30, 2004, 09:24:34
Job time : 3 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 30, 2004, 09:26:09 ; Search time 0.001 Seconds
(without alignments)
34.194 Million cell updates/sec

Title: US-09-925-139-3

Perfect score: 139

Sequence: 1 ggatgggctgtgacgaa.....ctatcctaaagccactgg 139

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 0.5

Searched: 10 seqs, 123 residues

Total number of hits satisfying chosen parameters: 20

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 11 summaries

Database : rst3.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	11.4	8.2	17	1	BM395359
2	9.4	6.8	11	1	CF325654
3	9.4	6.8	12	1	CF306933
4	9.2	6.6	17	1	BM395359
5	8.8	6.3	12	1	BM169696
6	8.8	6.3	13	1	AA913242
7	8.4	6.0	12	1	BQ587766
8	8.4	6.0	12	1	CF306837
9	7.8	5.8	10	1	CF311011
10	7.8	5.6	12	1	BM395899
11	7.8	5.6	12	1	BM398341

ALIGNMENTS

RESULT
BM395359
LOCUS
DEFINITION
5359 17 bp mRNA linear EST 17-JAN-2002
BK2-8-G03.r.1 Chilcoat/Turkewitz cDNA (large fraction)
BM395899
BM395899
EST:9
SOURCE
Tetrahymena thermophila cDNA, mRNA sequence.
Tetrahymena thermophila
Tetrahymena thermophila
Tetrahymena thermophila
Hymenostomum polyacanthum
Hymenostomum polyacanthum
1 (bases 1 to 17)
Turkewitz, A.P.17
Turkewitz, A.P.17
Frankel, J. and Kärner, K.M., Jahn, C., Ortas, E., Kirk, K.E.,
EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)

COMMENT

Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.

FEATURES

source

1..17
Location/Qualifiers
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: Bluescript SK+; Details on library preparation can be found in Chilcoat and Turkewitz (2001) Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Query Match 8.2%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.1;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1691 CCAGCGTGTGGA 1703

Db 2 CCACGCTGTGGA 14

RESULT 2

CF325654

LOCUS

DEFINITION

CF325654 11 bp mRNA linear EST 18-AUG-2003
JMT1--03-N04.g1 AtJMT-overexpressing transgenic rice lambda phage
cDNA library (JMT1) Oryza sativa cDNA clone JMT1--03-N04, mRNA
sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzaceae; Oryza.

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Kim, J.S., Jun, K.M., Cheong, P.J., Kim, M.J., Lee, T.H., Shin, Y.C.,
Song, S.I., Kim, J.K., Kim, Y.-K. and Nahm, B.H.
Large-scale Sequencing Analysis of Rice ESTs
Unpublished (2003)
Contact: Nahm B.H.
Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
of Bioscience and Bioinformatics, Myongji University
Yongin, Gyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
Email: bhnahm@bio.myongji.ac.kr.

FEATURES

source

1..11
Location/Qualifiers
/organism="Oryza sativa"
/mol_type="mRNA"
/cultivar="Nackdong"
/db_xref="taxon:4530"
/clone_lib="JMT1--03-N04"
/tissue_type="leaf"
/dev_stage="14 days after germination"
/lab_host="E.coli SOLR"
/clone_lib="AtJMT-overexpressing transgenic rice lambda
phage cDNA library (JMT1)"
/note="Vector: pBluescript SK(+); Site 1: EcoRI; Site 2:
XhoI; cDNA was inserted into lambda Uni-ZAP XR vector at 5',
end with EcoRI and 3' end with XhoI site. mRNA was
prepared from Arabidopsis thaliana Carboxyl
methyltransferase overexpression line."

Query Match

6.8%; Score 9.4; DB 1; Length 11;

Mon Aug 30 09:26:47 2004

```

.9%; Pred. No. 0.73;
Best Local Similarity .ve 0; Mismatches 1; Indels 0; Gaps 0;
Matches 10; Conserv 1666
1656 GCACGAGC
|||||
1 GCACG
Db

RESULT 3 33 12 bp mRNA linear EST 15-AUG-2003
CF306933 -05-E05-g1 OSHDAC1-overexpressing transgenic rice lambda phage
LOCUS library 1 (HDA1) Oryza sativa cDNA clone HDAL--05-E05, mRNA
DEFINITION nence.
306933
.F306933.1 GI:33678694
ACCESSION
VERSIC Oryza sativa
KEYWg Oryza sativa
SOU Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
ICE 1 (bases 1 to 13)
QRS Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.
Large-scale Sequencing Analysis of Rice ESTs
Unpublished (2003)
Contact: Nahm B.H.
Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
of Bioscience and Bioinformatics, Myongji University
Yongin, Gyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
Email: bhnahm@bio.myongji.ac.kr.
FURS
source
1. 12
Location/Qualifiers
/mol_type="mRNA"
/cultivar="Nackdong"
/db_xref="taxon:4530"
/clone="HDA1--05-E05"
/tissue_type="callus"
/dev_stages="proliferated callus on 2N6 media for 2 weeks"
/lab_host="E.coli SOLR"
/clone_lib="OSHDAC1-overexpressing transgenic rice lambda
phage cDNA library 1 (HDA1)"
/note="Vector: pBluescript SK(+); Site 1: EcoRI; Site 2:
XhoI; Callus was treated with ABA(20um) for 1hour. cDNA
was inserted into lambda Uni-ZAP XR vector at 5' end with
EcoRI and 3' end with XhoI site. mRNA was derived from
rice Histone Deacetylase overexpression line."
Query Match 6.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1656 GCACGAGGCTC 1666
|||||
1 GCACGAGGCTC 11
Db

RESULT 4
BM395359/c
LOCUS
DEFINITION
50072-2-8-C03.r.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION
VERSION
BM395359
KEYWORDS
EST.
SOURCE
Tetrahymena thermophila
ORGANISM
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymena; Tetrahymena.

```

```

1 (bases 1 to 17)
Turkewitz,A.P., Karer,K.M., Jahn,C., Orias,E., Kirk,K.E.,
Frankel,J. and Kloubutcher,L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
Location/Qualifiers
source
1. 17
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8703-8713."
Query Match 6.8%; Score 9.2; DB 1; Length 17;
Best Local Similarity 78.6%; Pred. No. 7.7;
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1686 CTCCTCCAGCGTGG 1699
|||||
15 CTCACACCGTGG 2
Db

RESULT 5
BM169696
LOCUS
DEFINITION
SALK_001766 Arabidopsis thaliana TDNA insertion lines Arabidopsis
thaliana genomic clone SALK_001766, genomic survey sequence.
ACCESSION
VERSION
BM169696
KEYWORDS
SOURCE
Arabidopsis thaliana (thale cress)
ORGANISM
Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
1 (bases 1 to 12)
/note="Vector: pBluescript SK(+); Site 1: EcoRI; Site 2:
XhoI; Callus was treated with ABA(20um) for 1hour. cDNA
was inserted into lambda Uni-ZAP XR vector at 5' end with
EcoRI and 3' end with XhoI site. mRNA was derived from
rice Histone Deacetylase overexpression line."
REFERENCE
AUTHORS
Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R.,
Gadriab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L.,
Shinn,P., Zimmerman,J. and Ecker,J.R.
A Sequence-indexed Library of Insertion Mutations in the
Arabidopsis Genome
Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
Email: ecker@salk.edu
This is single pass sequence recovered from the left border of
TDNA.
Class: TDNA tagged.
Location/Qualifiers
source
1. 12
/organism="Arabidopsis thaliana"
/mol_type="genomic DNA"
/strain="Columbia 0"
/db_xref="taxon:3702"
/clone="SALK_001766"
/clone_lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion

```

elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/cdna_protocols.html.

```

Query Match
Best Local Similarity 6.3%; Score 8.8; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1733 TGGCTCCCACT 1744
      ||||| |||||
Db 1 TGGCCCAACT 12

RESULT 6
AA913242
LOCUS
DEFINITION
ol43g11.s1 Soares_NFL_T GBC_S1 Homo sapiens cDNA clone
IMAGE:1526276 3' similar to WP:E02A10.2 CE09116 ;, mRNA sequence.
ACCESSION
AA913242
VERSION
AA913242
KEYWORDS
SOURCE
EST.
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 13)
NCI-CCGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgaps@mail.nih.gov
This clone is available royalty-free through LML; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Insert Length: 614 Std Error: 0.00
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
FEATURES
source
1. .13
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:1526276"
/lab_host="DH10B"
/clone_lib="Soares NFL T GBC_S1"
/note="Organ: pooled; Vector: p7T3D-Pac (Pharmacia) with
a modified polylinker; Site 1: Not 1; Site 2: Eco RI;
Equal amounts of plasmid DNA from three normalized
libraries (fetal lung NBHL19W, testis NHT, and B-cell
NCI CGAP GCBI) were mixed, and ss circles were made in
vitro. Following HAP purification, this DNA was used as
tracer in a subtractive hybridization reaction. The driver
was PCR-amplified cDNAs from pools of 5,000 clones made
from the same 3 libraries. The pools consisted of
I.M.A.G.E. clones 297480-302087, 682632-687239,
726408-728711, and 729096-731399. Subtraction by Bento
Soares and M. Fatima Bonaldo."

Query Match
Best Local Similarity 6.3%; Score 8.8; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1697 TGGTGGAGTTG 1708
      ||||| |||||
Db 1 TGGTGGTGGTTG 12

RESULT 7
BQ587766
LOCUS
DEFINITION
E012340-024-010-M01-SP6 MPIZ-ADIS-024-leaf Beta vulgaris cDNA clone
12 bp mRNA linear EST 06-DEC-2002
BQ587766
LOCUS
DEFINITION
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzaceae; Oryza.

024-010-M01 5-PRIME, mRNA sequence.
BQ587766
BQ587766.1 GI:26117348
EST.
Beta vulgaris
Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 12)
Herwig, R., Schulz, B., Weishaar, B., Hennig, S., Steinfath, M.,
Drungowski, M., Stahl, D., Wruick, W., Menze, A., O'Brien, J., Lehrach, H.
and Radelof, U.
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)
22362189
MEDLINE
PUBMED
12472698
Contact: Weishaar B
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weishas@mpiz-koeln.mpg.de
Insert length: 12 Std Error: 0.00
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Seq primer: SP6; CATACGATTAGTGACACTATAG.
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Location/Qualifiers
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/organism="Beta vulgaris"
/mol_type="mRNA"
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line)"
/db_xref="GABI:185095"
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/clone="024-010-M01"
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/lab_host="EMDH10B"
/clone_lib="MPIZ-ADIS-024-leaf"
/note="Vector: pCMVSPORT6; Site 1: Sall; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sall-NotI, primer sites and
orientation:
SP6-Sall-CCACGGCTCGG-5prime-cDNA-polyA-CC-NotI-T7;
Sequencing granted in the context of the GABI-Beet
project, local PI: Dr. Katharina Schneider, coordinator:
Prof. Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database:http://gabi.rzpd.de"

Query Match
Best Local Similarity 6.0%; Score 8.4; DB 1; Length 12;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1683 TGCTCTCTCC 1692
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Db 2 TGCTCTCTCC 11

RESULT 8
CF306837/C
LOCUS
DEFINITION
HDAL1-04-P19.g1 OshDAC1-overexpressing transgenic rice lambda phage
cDNA library I (HDAL) Oryza sativa cDNA clone HDAL1-04-P19, mRNA
sequence.
CF306837.
CF306837.1 GI:33678598
EST.
Oryza sativa
Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzaceae; Oryza.

```

Mon Aug 30 09:26:47 2004

REFERENCE 1 (bases 1 to 12)
 Kim, J.S., Jun, K.M., Cheong, P.J., Kim, M.J., Lee, T.H., Shin, Y.C.,
 Song, S.I., Kim, J.K., Kim, Y.-K. and Nahm, B.H.
 TITLE Large-scale Sequencing Analysis of Rice ESTs
 JOURNAL Unpublished (2003)
 COMMENT Contact: Nahm B.H.
 Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
 of Bioscience and Bioinformatics, Myongji University
 Yongin, Gyeonggi, Korea
 Tel: 82 31 330 6193
 Fax: 82 31 321 6355
 Email: bhnahm@bio.com, bhnahm@bio.myongji.ac.kr.

FEATURES
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 /organism="Oryza sativa"
 /mol_type="mRNA"
 /cultivar="Nackdong"
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 phage cDNA library I (HDAL)"
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 XhoI; Callus was treated with ABA (20um) for 1hour. cDNA
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 rice histone deacetylase overexpression line."

Query Match 6.0%; Score 8.4; DB 1; Length 12;
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 Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1675 AACCTCGTG 1684

Db 11 AACCTCGTG 2

RESULT 9
 CF311011
 LOCUS ABF--06-B02.b1 ABF3-overexpressing transgenic rice plasmid cDNA
 DEFINITION library (ABF) Oryza sativa cDNA clone ABF--06-B02, mRNA sequence.

ACCESSION CF311011.1 GI:33682772
 VERSION EST.
 KEYWORDS Oryza sativa
 SOURCE Oryza sativa
 ORGANISM Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
 Ehrhartoideae; Oryzeae; Oryza.

REFERENCE 1 (bases 1 to 10)
 Kim, J.S., Jun, K.M., Cheong, P.J., Kim, M.J., Lee, T.H., Shin, Y.C.,
 Song, S.I., Kim, J.K., Kim, Y.-K. and Nahm, B.H.
 TITLE Large-scale Sequencing Analysis of Rice ESTs
 JOURNAL Unpublished (2003)

COMMENT Contact: Nahm B.H.
 Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
 of Bioscience and Bioinformatics, Myongji University
 Yongin, Gyeonggi, Korea
 Tel: 82 31 330 6193
 Fax: 82 31 321 6355
 Email: bhnahm@bio.com, bhnahm@bio.myongji.ac.kr.

FEATURES
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 line."

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 Best Local Similarity 100.0%; Pred. No. 1.7;
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1742 ACTCCTCC 1749

Db 1 ACTCCTCC 8

RESULT 10
 BM395899
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 DEFINITION Tetrahymena thermophila cDNA, mRNA sequence.

ACCESSION BM395899.1 GI:18195952
 VERSION EST.
 KEYWORDS Tetrahymena thermophila
 SOURCE Tetrahymena thermophila
 ORGANISM Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
 Hymenostomatida; Tetrahymenina; Tetrahymena.

REFERENCE 1 (bases 1 to 12)
 Turkewitz, A.P., Karrer, K.M., Jahn, C., Orlas, E., Kirk, K.E.,
 Frankel, J. and Klobutcher, L.
 TITLE EST from Tetrahymena thermophila, strain CU428.1, growing cells
 JOURNAL Unpublished (2002)

COMMENT Contact: Turkewitz AP
 Molecular Genetics and Cell Biology
 University of Chicago
 920 E. 58th Street, Chicago, IL 60637, USA
 Tel: 773 702 4374
 Fax: 773 702 3172
 Email: apturkew@midway.uchicago.edu
 Seq primer: T3.

FEATURES
 source
 1. .12
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 /note="vector: BlueScript 2 SK+; Details on library
 preparation can be found in Chilcoat and Turkewitz (2001)
 Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Query Match 5.6%; Score 7.8; DB 1; Length 12;
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 Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1692 GACGCTGGTGG 1702

Db 1 CAACGCGGTGG 11

RESULT 11
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 DEFINITION Tetrahymena thermophila cDNA, mRNA sequence.

ACCESSION BM398341.1 GI:18198394
 VERSION EST.
 KEYWORDS Tetrahymena thermophila
 SOURCE Tetrahymena thermophila
 ORGANISM Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
 Hymenostomatida; Tetrahymenina; Tetrahymena.

Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
1 (bases 1 to 12)
AUTHORS Turkewitz A.P., Karrer, K.M., Jahn, C., Orlas, E., Kirk, K.E.,
Frankel, J., and Klobutcher, L.
TITLE EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL Unpublished (2002)
COMMENT

Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.

FEATURES
source
1..12
Location/Qualifiers
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."

Query Match 5.6%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 5.4;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1695 CGTGTGGAAG 1705
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Db 2 CGCGTGGCAG 12

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